

Training Research Co., Ltd.

255 Nanyang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. TEL: 886-2-26935155 FAX: 886-2-26934440

Measurement of MPE

1. Foreword

In adopt with the Human Exposure IEEE C95.1, and according to the FCC 1.1310. The *Maximum Permissible Exposure (MPE)* is obligated to measure in order to prove the safety of radiation harmfulness to the human body.

The *Gain* of the antenna used is measured in an *Anechoic chamber*. The *maximum total* power to the antenna is to be recorded. By adopting the *Friis Transmission Formula* and the power gain of the antenna, we can find the distance right away from the product, where the limit of the MPE is.

2. Description of EUT

EUT : Wireless LAN PC Card

Classification: Mobile Device

(i)Under normal use condition, the antenna is at least 20cm away

from the user;

(ii) Warning statement for keeping 20cm separation distance and the prohibition of operating next to the person has been printed in the

user's manual

Model No. : C125S

Granted FCC ID : PB6-02011

Frequency Range : 2.412 GHz ~ 2.462GHz

Antenna Kit : 2 sets of 2 external dipole antennas are tested separately

(Ant. A: ACON Advance Connector Inc.; and

Ant. B: Antenniques Co., Ltd.)

Supported Channel: 11 Channel

Modulation Skill: DBPSK, DQPSK, CCK

Power Type : Powered by the PCMCIA slot of the client device

Applicant: TeLLUS Group Corp.

4/F, No.15, Industry E. Rd. IX, Science-based Industrial Park,

Hsinchu 300, Taiwan, R.O.C.

Training Research Co., Ltd.

255 Nanyang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. TEL: 886-2-26935155 FAX: 886-2-26934440

3a. Limits for Maximum Permissible Exposure (MPE) (Antenna A)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Filed Strength (H) (A/m)	Power Density (S) (mW/cm2)	Averaging Time $ E ^2$, $ H ^2$ or S (minutes)
(A) Limits for Occu	ipational/Controlle	d Exposure		
0.3-3.0	614	1.63	100	6
3.0-30	1842/f	4.89/f	$900/f^{2}$	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for Gene	eral Population/Unc	controlled Exposure		
0.3-1.34	614	1.63	100	30
1.34-30	824/f	2.19/f	$180/f^2$	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

[The EUT is tested in transmit and receive modes and in the first, middle and the last channel separately. The following shows only our observation have the greatest emissions.]

According to OET BULLETIN 56 Fourth Edition/August 1999, Equation for Predicting RF Fields:

Friis Transmission Formula:
$$S = \frac{PG}{4pR^2} = \frac{31.70 \times 1.439}{4p(20)^2} = 9.075 \times 10^{-3} \, \text{mW/cm}^2$$

Where: S = power density (in appropriate units, e.g. mW/cm2)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

The *Numeric gain G* of antenna with a gain specified in dB is determined by:

 $G = Log^{-1} (dB \text{ antenna gain}/10)$

$$G = Log^{-1} (1.58 / 10) = 1.439$$

Training Research Co., Ltd.

255 Nanyang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. TEL: 886-2-26935155 FAX: 886-2-26934440

3b. Limits for Maximum Permissible Exposure (MPE) (Antenna B)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Filed Strength (H) (A/m)	Power Density (S) (mW/cm2)	Averaging Time $ E ^2$, $ H ^2$ or S (minutes)
(A) Limits for Occu	upational/Controlle	d Exposure		
0.3-3.0	614	1.63	100	6
3.0-30	1842/f	4.89/f	$900/f^2$	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for Gene	eral Population/Unc	controlled Exposure		
0.3-1.34	614	1.63	100	30
1.34-30	824/f	2.19/f	$180/f^2$	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

[The EUT is tested in transmit and receive modes and in the first, middle and the last channel separately. The following shows only our observation have the greatest emissions.]

According to OET BULLETIN 56 Fourth Edition/August 1999, Equation for Predicting RF Fields:

Friis Transmission Formula:
$$S = \frac{PG}{4pR^2} = \frac{31.70 \times 1.585}{4p(20)^2} = 9.996 \times 10^{-3} \, \text{mW/cm}^2$$

Where: S = power density (in appropriate units, e.g. mW/cm2)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

The *Numeric gain G* of antenna with a gain specified in dB is determined by:

 $G = Log^{-1} (dB \text{ antenna gain}/10)$

$$G = Log^{-1} (2.00 / 10) = 1.585$$

Antenna A (ACON Advance Connector Inc.)



Appearance and Dimensions:

 $\psi_{i,j}$

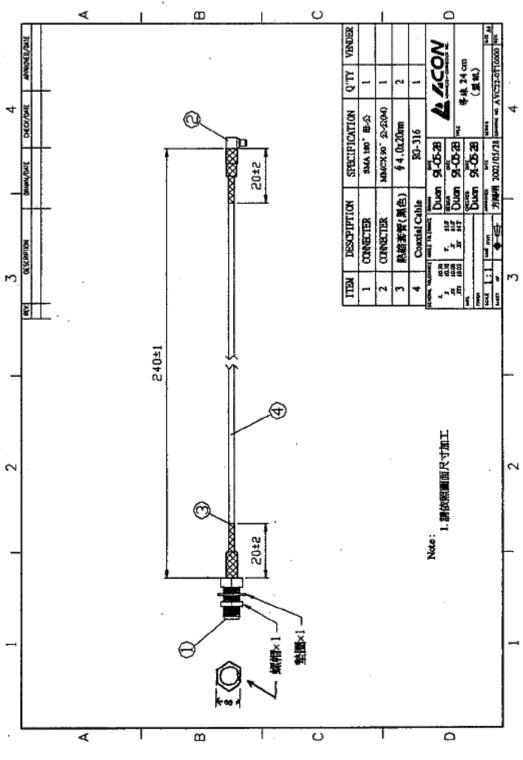


Figure 1



SUMITUBE Characteristics :

SUMITUBE F32 51 @

SUMITUSEF32 係教育、耐燃、預數交遷PE 複合物製成之態收益器等,同時種特美國UL 實驗資和加拿大OSA認可,符合UL224概定 使用過度25°C、額定使用電便600V和VVV-1 耐燃煤準,和符合CSA模定使用温度125°C。 頻生使用電量800V和OFT可除準 SUMITUSEF32性新星起。應用於網UL和CSA 具類認可、能解、規樣1包置、圖末處理、零件俱養、標字、標色等一般用途。 SUMITUSEF32 is a texible, florre reformant, irradiated crosslinked, head-shrinchie, modited polyoidfa lubing had is recognized by Underwikes Libbardaries (UL) under Subject 224, rolling voltage 600V, VW-1 of 125fC and by Condition standards (CSA), rolling voltage 600V, OFT of 125°C. Shrink importutive is 90°C.

SUMITUBE F

SUMITUBE F 体軟質・耐地照射交流PE核合物製成之熱攻線容等・獲得美國UL實驗 全物製成之熱攻線容等・獲得美國UL實驗 全部可・符合UL給4 額定使用滤度105℃ 、認定使用電磁600Y和YW-1耐燃構集 4 校 額通度90℃ +

SUMITUSE F性能卓越,速用於有UL安規 或耐然無求之配線經緣、包覆、指來建理 、領色、標即字等一般用經。

SLAMBLEC F is a riexible, from retardant, inadiated crosslinked, head-shrinkable, modified polyoletin hubing that is recognized by Underwriters Laboratories (UL) under Subject 224, justing vollage 600V, VW-7 at 105°C.

Shrink temperature is 90°C.

■規格値 (UL 224 126°C 600V) Specification values (see page 10)

读典使用造成	+4510+	-+ 1\$\$C
一 表が	测式操作	ASS
物理的转性 纸供款成(电比数)(hg/mk) 抗聚效能(电化值)(%) 特美不(电化键)(%) 特美不信化镜)(%) 如务可能化镜)(%) 如务可能性的(%) 或条数性 或角型数性 或角型数性 或角型数性	188°C, 168 hrs 198°C, 60 days 188°C, 3 hr: 188°C, 1 hr: 180°C, 3 hri 180°C, 3 hri	##/N200
電気的特性 介養施皮(KV) 解核障害等域(G-cm)		最小AC 2.6 最小 で ¹¹
(化学的特性) 海淋性 乳支定性(%) 耐無性	156°C, 100 hrs. 1944	会特 最小件長率100 会悟

■規格値 (UL, 224,105℃ 600V) Specification values (see page 10)

性	椎	試驗條件	典型值
物理性能 抗狭弦反(件品率(% 老化使体) 后化使体的 加熱型等(熟理等 冷使 医無性能) 日本水(%) L(%)	138°C 168nrs 113°C 60days 121°C thr 136°C thr -10°C thr	最小1.05 最小200 网络堡支70 最小100 最大50 無免款 無為款
介電法度(X 競技協有電 化甲特性 誘致性	随(公司)	136°C (68hm	最小≥5 最小10"
新安定性(9 對地性	6)	VW-1	表小伴長100 会格

SUMITUBE F2 7

\$UMITUBE F2 係权質。對關照射交通PE 依合物製成之熱权履警管。因時獲得失關 UL實验室和加拿大CSA認可。符合UL224 額定使用温度125℃、額定使用電壓600V 和VW-1計数標準。和符合CSA額定使用温 度125℃、額定使用電壓600V和OPT附起 極度。

SUMPURE F2 性能卓越,独用处有UL和 CSA都可需求之配線結構、包度、環末網 這、製色、排印字等一般用值。

SUMMUBE 12 is a health, flome relations, inhadiated crosslinked, heal-stricted, modified polycetin tubing that is recognized by Unconveniers Laboratories (UL) under Subject 224, rating voltage 800V, V-V-1 at 125°C and by Conadion standards (CSA), rating voltage 800V, CFT at 125°C.

Swink temperature is 90 °C

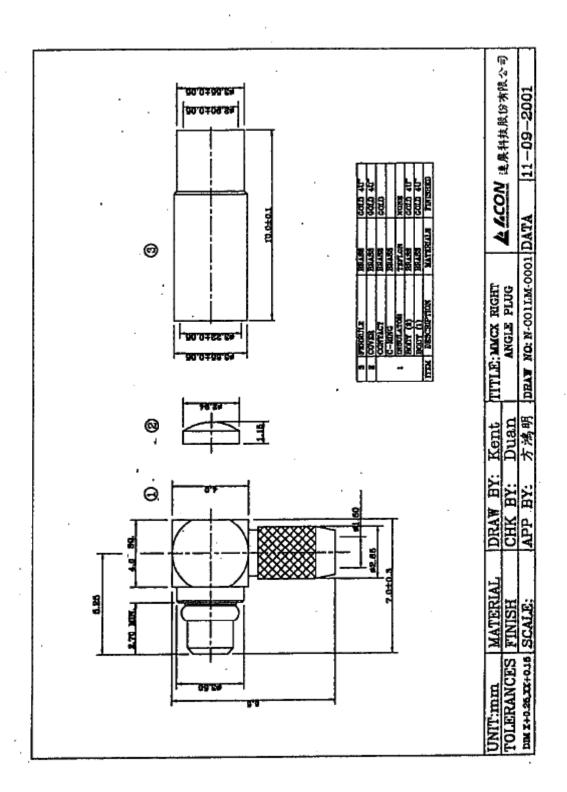
■規格値 (UL 224 125℃ 600V)

Specification values (see page 10)

			, , ,
住	RE	状验性件	典型化
老化機体長(加熱要落(矣 熱衛等 冷悸 氣気性能 介電速度(X/	建度(%) (%) ()	158 to 168hrs 134'to 80days 125'to the 136'to the -10'to the	型小1.05 型小200 原始使之70 吸小100 是大50 無磁型 量小2.5
程模學有能和 化學特性 無數性		end881 3'821	最小10 ¹⁴
到安定性(% 對燃性	· 1	VW-1	級小伸長 100 全格:

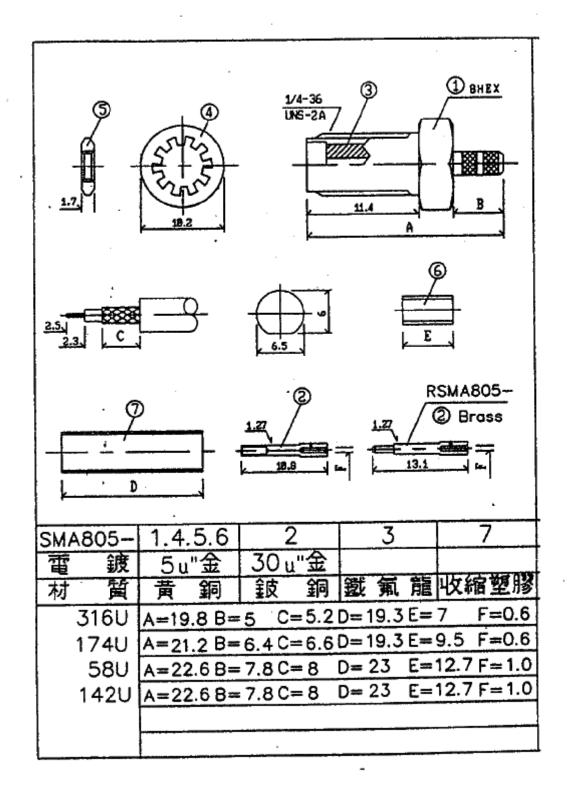


MMCX Connector Dimensions:





Connector Dimensions:





Cable Physical Characteristics:

Mii-C-17 Coaxial Cables

Phy	ysical Characteri	over.						
M17 Number	100							
MITAUS RUIG	TRI, 2002	SECRETARIA PROPERTY.	SPC(Z) RANG		内には一日の	55 +209	(2)(4)(4)(4)(2)(4)	
	2 .01.20 0 0 004 1 SCCS		SPC_SPE	27 W/-	福港市企业的企业	-55+20)_	新的企業的企業	
MIN COLUMN	E WHAT AND A JOCCE	多数数	SPC AND	1011	通	35+239		MIT/93-RGI78 ve/extended tental range
HU 44 ROLD	1.0120"0/004"SCCS	S-151031-30-5	SPC 9JF89	52 .100°	CONTROL OF THE SERVICE	-55 +200	物研究18.4 治疗	
	M20"0 SHATSCCS		SPC 6443		SOUND PLANTS	-55 +200	SECTION AND ASSESSMENT	
MITATION CO.		建筑各农场	SPC SHEE	.102*	的影响是是影響	-55+200	SENSOR RESERVE	
CONTROL OF THE PARTY OF THE PAR		西河南	SPC SHE	170	中的意味的可以完全	-55 +200		
A12/8/278250	050° SCCS	STATE OF THE PARTY OF	PCD HI	S .580°	School of Printers	55 +200	经抵押的证据	
	A201 W.057 SCCS	STATE OF THE PARTY.	SPC (EAS)	100	建设地区的企业	-55+200	网络新工业 经验	
	304"17/2011"SC				医安全性 医克里克氏	-55 +200	253 E 153	
	ASST (19/102')SC				欧洲山地东	55 +200	美国基础的	
	.0120°0'004°35CCS				SPANIS LANGE WATER	-55 - 200	Appendix a series	Triaxial M11793-RC178
	DESTRUCTIONS SECS						经 收益	Double shielded Mit7/113-RG318
SHOMEON	s .mrsccs	新疆1887 967	SPCIZI (SEE	4 195	SECOND STOCKED	55 +200	200	Ungsvept M17760-RC14
	1.0120° 0/0017353C3	482 832 9	SPC REED	.071	CHARLES THE SELECT	-55 +200	Sept. 1877.73	Unswept M11/31-RC17
107/10/00		6年23日 双星			STREET LANGEST	-55+200	新花工程 医线线	Uninverse M17/113-RG30
	1 020 TU (003) TSIXCS		SPC 1988		1234543 Street	-55 +200	建设工业公司	Uniwept M17/113-RC3
	A CONTROLLY SUCS		SPCID RES	390	\$2.00 miles	-55 +260	阿拉拉斯斯	Unimepi M17/127-4/G29
	2 (284°4197,048°)SC				经发生 医水体	-53 +200		Unawesk MTV/18FRC4
	1225 (19:00) 75PA				200	-51 +230		Controlled impedance twinter
	SIZE OF CT / AGE CANDON	100 A 100 A	SPC PTI	lar		-55 +250		Pinothie, 250° C. reted
SCHOOL STATE	3.0201*(7/0037)SCCS	proof to	SPC 2F16	.100*	CASHAL DESIGNATION OF THE PERSON OF THE PERS	-55+259	7.00 Table 10.00	Flauble, 250° C. rated
	1120 (77,00h)9CLS				\$500 LB2000	-55+258	第二人员工	Flexible, 250° C. rated
	O DESPONDENCES				March of Control	-\$5+250	2022/01/2020	Flexible, 250° C. Haled

Electrical Characteristics

107 No. 1	100		eve.						
U11740 HC142 548-14-23	20.4	A 250 MO STATE	5.5	1000111	19.0	0.000	44.0	100000000	17.4
MINERCIA AND ACCOUNT	20.6	经验证的证据	168	STATE OF	\$2.0	DEMARK	$\overline{}$	20072000	3.0
M11/95-00001 @MG-282-9		SEPTEMBER STATES	16.0	医神经	52.0	(P.) (E.) (1)		用学校开始	3.0
417/94-RG170 #25/P/38		CONTRACTOR OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PE		经设计单位的		200	*	DECEMBER 1	
UIT/S. RC180 SERVERS	16.4	STATE OF THE PARTY		经验证证		经数据		新新发展的	
M17/110-RG302-6-15/4-1	19.4	2500 10000	+	经发出政治		200	•	200	
211/11-RCIO STREET		美国大学教育	2.9	经济省及 特点	-15.0	100		6.26 30.25	
411/112-RG384 经00米级时	2.4	C. V. S. C. S. S. S. S. S.	_ 2 :J	品级基本的教	_1ff	100 Aug.	30.0	# E TO SERVE	- 60
411/113-R2316元(学校会)	29.4	C-800 E-800 E-80	11.0	252 (ALC)	36.0	2. 在工作机	· .	(日本の)(日本)	36
TIVET-REDDEVERSE	20.4	STATE OF THE STATE	2,1	10 E 11 E 15	_77	2000年2	51.8	ESS ASSE	11.0
111/12#-RO100@#44654	28.6	数线接触线	- 11	高計四統	17.0	STATE OF THE PARTY.	50.0	100000	12.4
417/131-182/00美術技術	29.4	企业的基本的	7.	- 製物温温液		\$80.00M		6500 St	10.0
4117112-00001 BRANSSIA		2523 ELECTRON	11.2	ES325.00P	40,0	2012	110.6	0.002022	12.4
1117/154-0000 EMPERED	26.4	SECTION AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLU		200 A 100 A		3,500,000	•	2000	
4)7/169-09001 BANKER	29.4	Special Company of		2320000		2000	•	0年2000年	
417/178-03001 海海海岸流	29.4	经验证证据 化共聚发		ではない。		學的學		ALC: NO.	<u> </u>
211/112-00001 開始保存的	24	Control of the Contro	-	MACHINES !		200		0.000	
417/174-00001 (CARSON PARTIES	25.4	STATE OF THE PARTY OF	· .	東京学り店舗		The second	• •	100 mm	···
417/175-100001 @Sec45584	29.4			100000		のおおは	. *	自然には	<u> </u>
M11/176-0000 (6889)	LIS.O	SECTION OF THE PERSON		Mark Control	-	を行うない	_ ;	\$100 State (5)	•
THE Tape Wing Selected	Cabin			新聞的表表		### S		建 种类系数	_
NG 187 A/U STREET	F 18.4	開発性機能を発表		多多数发光		表现的唯		ACCUSATE VALUE	3
COLUMN TO THE REAL PROPERTY OF THE PERTY OF	29.4	SECTION OF STREET	11.0	1002年最初的	38.0	200	-	4000 March	
は「は X/U 食業を含む	15.4	CONTRACTOR OF THE PARTY OF THE		600 E # 200	-	2000	+	20,302,522	1
KC 195 A/U IESSANSEN		STATE SERVICES		2002	- 1	250 Mary 201		60 (60)	,

"Administrative frequencies" are these as referenced on individual sheet sheets of the MIL C-17 specification. No values are given for unaways construction and the MIL C-17 specification. No values are personal stated and the specified of the s



Cable Physical Characteristics:

Mii-C-17 Coaxial Cables

	Physica	Cherecteri								
			40.0		1	C				120 25 ·
M17 N	nage (Second									
TENTARUS	RGII 6Ze	81, 2CC2	AND IN SEC.	SPCIZI	194218	196	SCHOOL STREET	-55 4200	多名字。在10 0000	
3217/254	ROLL BLEV	"DUIT SCCS	第二日の	SPC	经专名	10.1.	在海岸中的	-55 +200	海水沙草草沙纳	
MIA.		WINNEYSCCS		SPC		7971.	1992	-55+230	學學學	M) 7/93-RGL78 w/esteeded tourp, range
		PROPERTY OF	AND DESCRIPTION	SPC	AFER	100	新的数据共享的数据	-55+200	中国政治自由 的政治	
07134733	75-0-2-1	DIDITISACS		_	(4.22°)	141	SHOWING MESSAGE	-56 +206	Section 10 April	
MINNER		1853"SCCS			SHEET.	202*	Service Brown	-55+200	安徽中国建筑	
ALL SEC			A. 18 12 12	SPC	13 25	.170	40000000000000000000000000000000000000	-55+200	(A) (A) (A)	
1417/12			MCM, D			750	\$5000 STOWNED	-55+200	STORY OF THE PARTY OF	
		W105775003			4550		PARTY TO SERVICE	-55+200	克拉斯里克拉	
A		17,0312°ISC	NOT USE		83.00	300	SEC. 12 10 15 15 15 15 15 15 15 15 15 15 15 15 15	-55 +260	等的 新疆 斯 森	
		(197.808 TSC	PERSONAL PROPERTY.	W. C. 1984		195"	2000年1月2日	-65 +200	新拉州北西州	
		W00115XX				.116	C-1000 B 5-12-2-6-2	-50+200	公本以及 (1976)	Treasan M11/93-RG178
CASSASS	16.00 (0.00 (0.00)	WHEN THE CS			Carry.	अस	850	55+200	经济	Double shielded
			CONTRACTOR OF		国际		THE RESIDENCE AND ADDRESS OF	77.30	EXCELERATION .	Mt1/161-RG318
MILETAN			高等				A 10 10 10 10 10 10 10 10 10 10 10 10 10	-55+200		Urowept M17/60-RG1(2
		proser years	90.00		-		の音楽を記録の	-Si+200		Universit M17/53 RC178
345733			建加速源			.176*	THE PERSON NAMED IN	-55+200		Unsweept M17/111-RG303
3101717		WINGS SCCS					SOUTH LEADING	-53+209		Unswept M17/113-RC216
AULUL		(7/MBH E*)SC/CS					《公司》	-55+200		Distance M11/127-RG393
3V31/2713	COLOR ADDRESS	"(197.061")SC	解析常	gar cuz	PARK!		語を計算を必要	- 55 +200		Downept M17/128-RG-600
50 (F) (F) (G)	HINE SIME	(10/00/759人員		SPA		129		-55+230		Cause ofted impedance swittens
27.50	k/OSK 612	rd RC Calden	新加州	spc		.100	3 (1.00)	-55-250	is in a	Flexible, 250° C. rated
10000	52150 0201	7/10/37/5003	3350 Hers	SPC	3311	.100	THE RESERVE	-55 +258	THE PERSON	Flexible, 250° C. rared
		THE SCA					GUAL PRINCIPAL	-5a +250	SEPARAPIN	Flexible, 256° C. rated
		TITANISCES					STATE AND DESCRIPTION OF STREET	-55+250	CHARLE THAT	Pleadble, 250° C, rated

UIT Named				te se					
411746 RC142 (SEE 1824)	20.1	BEAL SERVICE.	55	\$250E.623	19.0	25.50	46.0		17.4
411795-RC176 #66-4548	29.4	STATE OF THE PARTY OF	(65	STATE OF THE STATE OF	52.0	SHARE		0.000	3.0
ATT/93-00001 200 + 5-25		产等基本。在1995年	16,0	2.55年在1200	32.0	が、単純な		2000	3.5
ATT/OF-HCT/9 ACTIVISION	19.4	第65条 社 地方 第		是这样的	-	翻線線		CONTRACT	
(111/56-RG180 雷爾等級)		建筑区里交流		##S7.###	- ;	新发展的		472	
117/110 RC302 48 6/55		经验证的		E23.0794	* .	1000 F. S. S. S.		Section 2	
打了门口 化二乙烷 经基金股票	20.0	120 120 120	3.5	100000000000000000000000000000000000000	15.0	1984年後元		STATE OF THE PARTY	-
411/112 RC30(RAW)	20.0	SECRETARIA DE LA CASA DEL CASA DE LA CASA DEL CASA DE LA CASA DE L	2.1	SECTION .	11.1	新起網	30.0	With the Control	6.0
ATT/III RODIGE CONTRACT	29.4	STANCE SERVE	. 110	30024200	38.8	安排	•	数据数据	3.0
TITE RESIDENCE	29.4	是在是国际政策	2.1	製造田園	- 1.0	STATE OF THE PERSON NAMED IN	24.6	全部43 次33	11.0
417/128-RG100 \$189-5-55	29.4	建设设施 公司	- 4	有关的基本系统	17.0	1000	50.0	表別の名前	124
(11/15) - 102(103) 日本 10(14)	24.4	100 CO. 100 CO		FEET AND STREET		F-1450		经长年200 万	10,0
イリンド42-00001 金銭をおりが		Charles and Control	115	BEAR THE S	40.0	ELTER.	110.0		124
1177151-00001. 22 可能表	20.0	Carrie La Experience		经过度				SECTION AND SECTION	
417/169-0000	29.4	1033 M. 18133		122.22.2	· · ·	のない	•	列亚斯拉勒	
111717F 00001 京野法院(2	25.4	2000		200 miles	· · · ·	DOM: NO.	•	お子の記念の	
1117112-0001 UNIVERS	29.4	医巴克克氏 计数据编码		美国基础		語の大学の		\$255555S	
411/114-00001 (ASSESSED	29.4	Santage Charles		A2011		5000000	·· <u>·</u>	22000000	
(11/175-0000] 多数坐在2	20.4	CHEST LL PATRICE		の記載をおりま	•	200 miles	-	新教育教育	<u> </u>
1117116-00001 SATSKS-88	19.0	SECTION STREET		ALCOHOL:		第二届工作		PARTY STATE	
TEL Tape Wrosp acheric	تعاضما تا							3000000	
IC INT A/U RESTAND	19.4	Section 1					•	数加热数	
C 181 A/U SANGE	29.4	POSSORE DELL'AND AND ADDRESS.	11.0	COLUMN TOWN	38.0	200 Mar 200	-	學學學技	3
C 195 A/U PAR WEST		CONTRACTOR OF THE PARTY OF		STATE AND	-:-	2000000		100000000000000000000000000000000000000	.5
C HOA/U AND RES	25.4	175 X L 178 200		医 医		STATE SAME	-	60年 1	+

"Meximum frequencies" are these as referenced on included stant sheets of the MIL C-17 specification. He values are given for unmoved construction



AVC21-0T10000 承認書

DESCRIPTION:

RG316 SMA 180 Deg Female RP + MMCX 90 Deg Male is useful for antenna. (or depends on user's need.)

SPECIFICATION:

Part Number : AVC21-0T10	
Appearance & Dimensions:	10 cm (L) (See figure 1)
Weight:	5 <u>+</u> 0.5 g
Impedance:	50 Ohms
Connector Type:	SMA Female RP + MMCX Male
Cable Loss:	0.5 dBm

2
E
띩
h
3

To Lot	
Jot No. Bundle To Bundle Zinc Aluminium Magnesium Copper Lead Cadmium Iron Thallium Nickel Silicon	:
35692 B6595 95.65 4.09 0.045 < 0.001 0.0027 0.0005 < 0.0005 < 0.0005 < 0.0005 < 0.0003 < 0.0005	111223333
	1 <u>41</u> 253338
35577 36679 95.77 4.17 0.047 < 0.001 0.0023 0.0033 < 0.0005 < 0.0005 < 0.0005 < 0.0003	1AARE3339
555E0 535E5 95.77 4.17 0.045 < 0.001 0.0022 0.0010 < 0.0005 < 0.0005 < 0.0005 < 0.0002	1443E3340
33702 33713 95.79 4.15 0.045 < 0.001 0.0023 0.0024 < 0.0005 < 0.0005 < 0.0003 < 0.0002	144RE3370
33595 33701 95.79 4.15 0.046 < 0.0024 0.0025 < 0.0005 < 0.0005 < 0.0003 < 0.0003	1AARE3371
38708 38713 95.89 4.05 0.050 < 0.0024 0.00024 0.0003 < 0.0003 < 0.0005 < 0.0002 < 0.0002	144253372
95.87 4.06 0.045 0.0008 0.0176 < 0.0008 < 0.0008 < 0.0008 < 0.0008	06883471
000000000000000000000000000000000000000	AVE

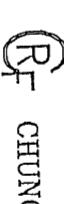
MADE FROM ZINC COMPLYING FULLY WITH :

AS 1881-1986 ALLOY ZNAL 4 ISO 301-1981 (E) ZN AL 4 BS 1004 1972 ALLOY A

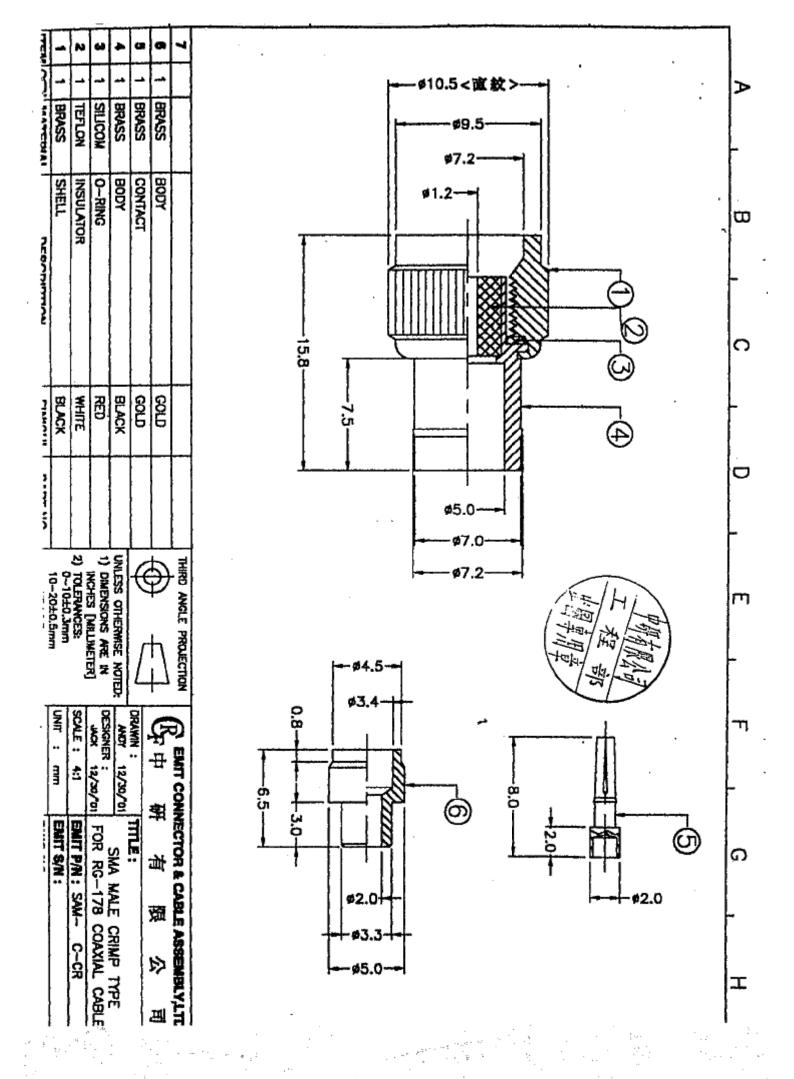
YSIA B5+0-88 VIIOX YC +0Y

ns e2201.1957.ALLOY NO.2 (日本棋校):





CHUNG YAN COMPANY LIMITED





AVC22-0T10000 承認書

DESCRIPTION:

RG316 SMA 180 Deg Female RP + MMCX 90 Deg Male is useful for antenna. (or depends on user's need.)

SPECIFICATION:

in a

Part Number: AVC22-0T10	0000
Appearance & Dimensions:	24cm (L) (See figure 1)
Weight:	7 <u>+</u> 0.5 g
Impedance:	50 Ohms
Connector Type:	SMA Female RP + MMCX Male
Cable Loss:	0.67 dBm

1001 TROUT BROOK CROSSING ROCKY HILL, CT 06067-3910 ROCKY HILL, CT 06067-3910 EMERGENCY PHONE: (860) 571-5100

ISSUED 3/27/96

FAX: (860) 571-5465

MATERIAL SAFETY DATA SHEET

Product Name: Item No.:

Prism(R) 411 Clear Toughaned Instant Adhesive

Supplemen

. .

INFORMATION FOR FIRST AID AND CASUALTY ON TREATMENT FOR ADHESI HUMAN SKIN TO ITSELF IF CAUSED BY CYANGACRYLATE ADHESIVES ADHESION OF

Cyanoacrylate adhesive is a very fast setting and strong adhesive. It bonds human tissue including skin in seconds. Experience has shown that accidents due to cyanoacrylates are handled best by passive, nonsurgical first aid. Treatment of specific types of accidents are given below.

SKIN CONTACT Remove excess adhesive. Soak in warm, scapy water. The adhesive will come loose from the skin in several hours. Cured adhesive does not present a health hazard even when bonded to the skin.

Avoid contact with clothes, fabrics, rags, or tissue. Contact with these materials may cause polymerization. The polymerization of large amounts of adhesive will generate heat causing smoke, skin burns, and strong, irritating vapors. Wear nitrile or polyethylene gloves and apron when handling large amounts of adhesive.

SKIN ADHESION first immerse the bonded surfaces in warm, scapy water. Peel of the surfaces apart with the aid of a blunt edge, e.g. a spatula teaspoon handle; then remove adhesive from the skin with scap a water. Do not try to pull surfaces apart with a direct opposing Peel or roll spatula or a action.

EYELID TO EYELID OR EYEBALL ADHESION In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action, typically in 1-4 days. There will be no residual damage. Do not try to open the eyes by manipulation.

AOHESIVE ON THE EYEBALL AOHESIVE ON THE EYEBALL
Cyanoacrylate introduced into the eyes will attach itself to the eye protein and will disassociate from it over intermittent periods, generally covering several hours. This will cause periods of weeping until clearance is achieved. Ouring the period of contamination, double vision may be experienced together with a lachrymatory effect, and it is important to understand the cause and realize that disassociation will normally occur within a matter of hours, even with gross contamination,

If lips are accidentally stuck together, apply lots of warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips with direct opposing action.

It is almost impossible to swallow cyanoacrylate. The adhesive solidifies and adheres in the mouth. Saliva will lift the adhesive in one half to two days. In case a lump forms in the mouth, position the patient to prevent ingestion of the lump when it detaches.

BURNS

Cyanoacrylates give off heat on solidification. In rare cases a large drop will increase in temperature enough to cause a burn. Burns should be treated normally after the lump of cyanoacrylate is released from the tissue as described above.

It should never be necessary to use such a drastic method to separate accidentally bonded skin.

1001 TROUT BROOK CROSSING ROCKY HILL, CT 06067-3910 EMERGENCY PHONE: (860) 571-5100

ISSUED 3/27/ FAX: (860)

Product Name: Item No.:

MATERIAL SAFETY DATA SHEET

Prism(R) 411 Clear Toughened Instant Adhesive

14. TRANSPORT INFORMATION

DOT (49 CFR 172) Domestic Ground Transport Proper Shipping Name:

Unrestricted (Not more than 450 liters); Combustible liquids, n.o.s. (Cyanoacrylate ester) (More than 450 liters)

Hazard Class or Division:

Identification Number:

Unrestricted (Not more than 450 liters) Combustible liquid (More than 450 liters) None (Not more than 450 liters); NA 1993 (More than 450 liters)

Marine Pollutant:

Proper Shipping Name:

Class or Division:

UN or ID Number:

Unrestricted (Not more than one pint); Other regulated substances (More than one pint) Unrestricted (Not more than one pint); Class 9 (More than one pint) None (Not more than one pint) ID 8027 (More than one pint)

15. REGULATORY INFORMATION

CA Proposition 65:

Not available

16. OTHER INFORMATION

Estimated NFPA(R) Code: Health Hazard:

Fire Hazard: Reactivity Hazard: Specific Hazard:

No water

2

2

None

Estimated HMIS(R) Code: Health Hazard: Flammability Hazard: Reactivity Hazards: Personal Protection:

See Section 8.

NFPA is a registered HMIS is a registered

trademark of the National Fire Protection Assn. trademark ot the National Paint and Coatings Assn.

Prepared By: Title:

Company: (24hr.) Phone: Revision Date:

Stephen Repetto

Research Chemist, Environmental Health & Safety Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067 (860) 571-5100

January 22, 1996

Revision: 0027

1001 TROUT BROOK CROSSING ROCKY HILL, CT 06067-3910 EMERGENCY PHONE: (860) 571-5100

ISSUED 3/27/96 FAX: (860) 571-5465

MATERIAL SAFETY DATA SHEET

Product Name: Itam No.:

Prism(R) 411 Clear Toughened Instant Adhesive

4. FIRST AIQ MEASURES

(continued)

Eye Contact:

Flush with water. See supplemental page for emergency procedures.

5. FIRE FIGHTING MEASURES

Flash Point: Recommended

150 - 200 F Method: Tag Closed Cup

Extinguishing Agents: Carbon dioxide, Foam, Dry Hazardous Products formed by Fire or Thermal Decomp Irritating organic vapors. Unusual Fire or Explosion Hazards: None Carbon dioxide, Foam, Dry Chemical

Explosive Limits: (% by volume in air)Lower (% by volume in air)Upper

1.7% Phthalic anhydride 10.5% Phthalic anhydride

___ACCIDENTAL_RELEASE_MEASURES

Steps to be taken in case of spill or leak:

Flood with water to polymerize. Soak up with an inert absorbent.

7. HANDLING AND STORAGE

Safe Storage: (Contact Loctite Customer Handling:

Store at or below 75 deg. F Service 1-800-243-4874 for shelf Life information) Avoid contact with skin and eyes. Avoid breathing vapor.

٠,

8. EXPOSURE CONTROLS. PERSONAL PROTECTION

Eyes: Skin:

Safety glasses or goggles recommended Nitrile or polyethylene gloves and aprons. Do not use cotton.

Ventilation:

See supplemental page for additional information. Positive down-draft exhaust ventilation should be provided to maintain vapor concentration below TLV

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Odor:

Clear liquid

Boiling Point:

Sharp, irritating More than 300 F More Not Applicable Polymerized 1.05 at 75

pH: Solubility in Water: Specific Gravity Volatile Organic Compound (EPA Method 24) Vapor Pressure: Vapor Density:

85.6% Less than 0.2 mm at 75°F Approximately 3

Evaportation (Ether = 1)

Not available

10. STABILITY AND REACTIVITY

Stability:

Hazardous Polymerization: Incompatibility:

Will not occur Polymerized by contact with water, alcohols, amines, alkalies.

Hazardous Decomposition Products (non-thermal):

None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of

disposal:

Polymerize as above. Incinerate in accordance with EPA and local regulations.

ş

1001 TROUT BROOK CROSSING ROCKY HILL, CT 06067-3910 EMERGENCY PHONE: (860) 571-5100

ISSUED 3/27/ FAX: (860) 571-54

MATERIAL SAFETY DATA SHEET

Page

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Prism(R) 411 Clear Toughened Instant Adhesive

Item No.: Product Type:

41145 Cyanoacrylate Ester

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients

HYDROQUINONE

HYDROOUINGNE

(

CAS No.

%

Ethy! cyanoacrylate Poly (methy! methacrylate) SILICA, AMORPHOUS TREATED PHTHALIC ANHYDRIDE •

7085-85-0 85-90 9011-14-7 112945-52-5 123-31-9

10-15 0.1-0.5

This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients

Ethyl cyanoacrylate

ACGIH (TLV)

None

OTHER

OSHA (PEL) None

2 ppm TWA 9.1 mg/m3 3 mg/m3 TWA

SILICA, AMORPHOUS TREATED PHTHALIC ANHYDRIDE

10 mg/m3 TWA 1 ppm TVA 6.1 mg/m3 2 mg/m3 TWA

6 mg/m3 TWA 1 ppm TWA 6 mg/m3 2 mg/m3 TWA

2 mg/m3 TWA 4 mg/m3 STEL

None

Exposure Limits (STEL) Ingredients

ALDDA (VLT)

(PEL)

Ethyl cyanoacrylate

(4 ppm) (18 mg/ mg/m3) (4 ppm) (16 mg/m3)

3. HAZARDS IDENTIFICATION

Toxicity:

Skin contact may cause burns.
Bonds skin rapidly and strongly.
Skin and eye irritant.
Estimated oral LD50 more than 5000mg/kg.
Estimated dermal LD 50 more than 2000 mg/kg. None known

Primary Routes of Entry:

Signs and symptoms of Exposure:

Vapor is irritating to eyes and mucous membranes above TLV. Prolonged and repeated overexposure to vapors may produce symptoms of non-allergic asthma in sensitive individuals.

Existing Conditions Aggravated by Exposure:

None known

Literature Referenced Target Organ and Other Health Effects Carcinogen NTP IARC DSHA

Ingredients

ALG IRR RES IRR

NO NO МU N/A N/A NO NO

Ethyl cyanoacrylate
Poly (methy) methacrylate)
SILICA, AMORPHOUS TREATED
PHTHALIC ANHYDRIDE HYDROQUINONE

NUI ALG COR IRR BLO BNM CNS

NO NΩ NΩ EYE IMM IRR MUT SKI NO NΩ

Abbreviations

N/A Not Applicable BLO Blood CNS Central nervous system EYE Eyes IRR Irritant NUI Nuisance dust SKI Skin

ALG Allergen BNM Bone Marrow COR Corrosive IMM Immune system MUT Mutagen RES Respiratory

4. FIRST AID MEASURES

Ingestion:

Ingestion is not likely. See supplemental page for emergency procedures. Remove to fresh air. If symptoms persist, obtain medical attention.

Inhalation:

9.11.11

St. 10 Contint.

The second section of the second

11. 1 3

4. FIRST AID MEASURES

Inhalation:

Remove affected person to fresh air.

Skin Contact:

Wash skin with plenty of soap and water and apply replenishing cream if necessary.

Eve Contact:

Flush eyes immediately with plenty of water for at least 15 minutes. Seek medical attention immediately.

Ingestion:

Rinse mouth with water, then give plenty of water or milk to drink. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

This product is highly flammable having a flash point of -1°C.

Keep unaffected containers cool with water spray.

If product is involved in fire extinguish with dry powder, foam or carbon dioxide.

Aerosol containers may explode when exposed to high temperatures.

6. ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition.

Ventilate area.

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

7. HANDLING & STORAGE

7.1. Handling:

Avoid sources of ignition - no smoking.

Vapours should be extracted to avoid inhalation.

7.2. Storage:

Store in original containers at 5°C-28°C and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

Keep away from sources of ignition.

Store away from heat in a cool, well-ventilated area.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl alcohol, polyethylene or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended. (TLV, ACGIH is 400ppm).



Page I of 4 SDS: 178213.

This safety data sheet has been prepared in accordance with the requirements of EC Directive 88/379/EEC and 91/155/EEC (and other related directives) and provides information relating to the safe handling and use of the product.

Date: 16/08/93

Issue 1

1. PRODUCT IDENTIFICATION

1.1. Product Name:

770

1.2. Company Name :

Manufacturer:

LOCTITE (Ireiand) Limited

Local Distributor:

1.3. Emergency Contact (24 Hour Service):

First Call Local Distributor: Tel:-

Contact Name :

Manufacturer: Tel: +353-1-510433 or +353-1-519466, Fax: +353-1-519073

2. COMPOSITIONAL INFORMATION

Nature: Solvent based primer for CA.

Component	% by W1*	Hazard Class
Heptane	99.9	F; R11
Amide derviative	0.5	C, R20/21/22, 35
Fluorescent pigment	0.02	
Hydrocarbon propellant	5*	(Aerosol product only)

*(percentages are less than those given.)

3. HAZARDS IDENTIFICATION

This product is highly flammable. The flash point is -1°C and explosive limits are approximately 1-7%. Solvent will have a defauing action on the skin making it more susceptible to dermatitis and sensitisation. Inhalation of vapours may cause headaches or dizziness.

The aerosol container is under pressure. Do not expose to high temperatures.

WLAC.

#	1 路 法	"	7	1	一 弁なお法 (Ceneral Purpose)	eral Purpo.	(32		_		東京が	RAMESTA (High Flow)	flow)				19 151 # (Extrusion)	xtrusion)	
operties	ASTM Test	rt Units	PA-707	PA-757	PA-717C	FA-727	PA-747	PA-709	PA-756	PA-7565	PA-756H	PA-716	PA-746	PA-7464:	PA-737	PA-747R	PA-747F	PA-747S	JA-7095
Shift Strength	D-638	Ag/cm²	500	480	450 (6.380)	485	385 (5.470)	400	470	370 (5.250)	400	.140	410	350	370	420 (5,960)	470 (6.680)	390	350 (4,950)
415 longation	0.638	y	21	50	\$2	2	2	9	2	. g	9	ζ	- द	2	77	Q.	40	Q	£
조선 11 m Modulus	D-790	10°kg/cm' (10°tb/m')	2.9 (4.1)	2.7	25 (3.5)	(3.8)	~ (1.0)	7 7 5	3.6	7 E	43	(1.1)	727	15 Z)	0.5 8.53	2.5 (2.5)	(3.8)	(3.0)	2.0
Strangth	D-390	kg /cm' (lb /in')	860	790 (117.700)	720	087	(A. NOO)	(0,0,0)	760	(8.5/30)	640 (9.070)	(1) (1)	6%0 (9,200)	1600.8	\$90	730	07.0	620 (8800)	\$60 (8,000)
Pardness	D-785		9 2 2	1.	K 135	3.	K 108	5 to 1 to 2	÷	-	ž .	77	<u>يَّ م</u> ي	5	F-103	01.7	8-115	R-102	R-100
ine sant		kg, tm/cm I/S (ft-tb/m)	2 2	20 (5.7)	£ 6	76 (4.8)	4 2	4 <u>x</u>	±§	£ 51.	3 2	7 F 3.	A W G	36 16 16 18	5.5	45 (8.5)	37 (6.9)	40 (7.5)	# (F)
ngth :hed)		kg-cm/cm H4" (ft-ib/m)	12 03	81	× 3	. "	4 (2)	14. S	÷ ₹	# E	z Ē	22	e Z	< €	4.7	38	30 (5.5)	35 (6.5)	39.
ning Jemp.	٥	'nĘ	(22)	(221)	101	105	25	62.0	10.5	620	105	16.7.3 (2.7.3)	623	101 (7.14)	101	105	106 (223)	(217)	106
5温度 rtion Temp	5温度 (annealed) rison Temp. (unannealed)	۶٤ :	1001)88	04/210) RM(140)	48(20%) 48(20%) 87(18%)	101/100	1707bm	ter Des	the Char	(Acades)	1017ban	William SSI	1/07//0 8/(18/)	16(205) 26(137)	93(199) 83(181)	98(208) 8S(190)	89(192)	67(207) 87(189)	96(205)
Hi Gravity	267 0	23.53.52	8	- 3	3	3.		10	<u> </u>	ŝ	é	3	: 6 :	103	3	70 -	1.05	101	1 03
	8621.0	D-1238 200 C - 5kg	2	ž	7	ž	2	Š	. .	÷	×.	ć	5	×	25		6.9	0.7	. 7
ā :	150 133	\$10 C 10kg	ę ·	≈.	7	2	=	,	<u> </u>	Ŷ	٤	ž	Į	34	5	\$7	00	75	÷ .
1:E sbility	-	Fig. No. 1560/0	SICot I	40.00	i) Lati	- 16H3	1 16 38	1 1634	HOUR LINGUE	1	\$ C	91 -11 -	82.5	16718	16°MB	1:167HB	8H-91/1	W16'HB	1.16748
2	HATTE OF		25 25 25 25 25 25 25 25 25 25 25 25 25 2		71 (1) 71 (1) 71 (1) 71 (1)	Ž O					#4 C 1/4		10 mg/d 20 mg/	2.4.4.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	0.440	Aを受容的 開発され ログスポー	ARTH 中で成分	13.45%	がなる。 ではながらず ではながらず
Product	Product Description		High Class Abstram High Signt Import	Dygr Casses Abraham Impras :	Mostrate Rapact	Menters Planting	1 seylor frequent	hoper Impact	Pighwyd High Row	Noger of other Ham Wednest breaks	Ages Begin	Medium Processing	High Han y High Inquest II	Super High Hew High Import	Medium Medium	Attache Case & F	Retingerator	Hayh Impati Evenosin	Super Impact
				1															

子分類1、1948、 1998年10時,即在日本教育人學的學術的學術也可以發展的學術。

台灣工程塑膠公司共聚型聚縮酫樹脂"達鋼" TAIWAN ENGINEERING PLASTICS ACETAL COPOLYMER "TEPCON"

"達鋼"共聚型聚縮酫樹脂"TEPCON" ACETAL COPOLYMER 台灣工程塑膠 公司

			1	比黄	伸 長 車	胃曲彈性率	街 擊 強 度	熱 雙 形 眞 度	成型 牧 称 率	防火等极
規	fò.	型	脊 性	g/cm'	×	kg/cm²	缺 口 kg/cm ¹	18.6kg/ cm' °C	寒 2m/m %	UL94
		M25	高盐度押出摩斯面付 出	1.41	75	26,000	7.5	110	1.6 ~ 2.2	Н8
i	<i>\$-</i> -	M90	學學說動性	1.4L	60	26,000	6.5)1ů	1.6 ~ 2.2	нв
		M130	高減動性	1.41	55	26,000	6.1	110	1.6 - 2.2	нв
ĺ		M270	高波動性	1.41	45	26,000	5.4	110	1.6 ~ 2.2	нв
		M320	高流動性	1.41	40	26,000	5.1	110	1,6 ~ 2.2	нв
ĺ	:	M450	超高複動性	1.41	35	26,000	4.5	110	1.6 ~ 2.2	КВ

中日龍工程塑膠特性表

PARTITION OF			•		٠.			, ,			
1. 1. 1. 1. A	SYM	中日度	级拉加*	尼以	Est doa	MCJEAK	mmn	31.四,以	NZI	M Z M	医力即
2 2 3	:::	120 July 1	154-4-157: 4	0.0	MC 0031	CAST '	7,74677 11,74677	PP	PE .	PVC	re. FU
									1.941-0.963	1.30-1.38	.05-1.25
EL WASSE							1000-5000				1000-8400
tia delice al					60-200		200,0-400.0	-			100-630 * ~
Much berei			763		15000(yleld)	30-320	1700 . •	1100	1700-3600		20000
itantepal- i			TAN UGILL	300					1		- , ,
to the law to decide	224	at no my i	.0-1.5 1/2X1/21.5-0	10-20		0.8-3,0 1/2XI/26,304	3.0).5-2.2x(73"[? (1/4X1/3h.bws]	0.5-20.0	0.4-20.0	不收收
r, lead test)		Diff. To out I		1119-50-1531	7170:1453	ros-ruzo.le	D30:D33	R.00-110 Apr	D60-D70	13-13 ·	AA-IGD(SA-
			1 40 1 1111		4.10-1.15	1.1-4.3° 76/71 9.5-1.6°	(Shore)	1.7-2.5 55	(Shore) 6.4.4.		N28, R60
1 p.s.173 T				14 10		35-16	0.58	1,60-2.23	0.6-1.4 % %		0.1-1.5 ; '3'
7.051		~~~	[0.04		0.08		9,4
加松山		1.08	0.10	House		0.35	3	27-31	₩ K6 -4	No.	XI.
		DUNG	55 N	}a		-000	230	15V	Water 4	1430 100	J-7.4
a punci in	: N			TURNER	-	- T		32 0.2	100		
	MANA Design	4800 mg	40 C+ W	50 C) toda	113	9.0 ATT	2/40	Roc	0 3		in C
MART	W		12010) 20 C	10 to 2 to	1	THE WAY	4	With Mar	The state of the s	1.50
ber einen	맸作	05-120 12-120 12-120	230 🤾		122	100.415		Barre	hio 30	ESTATE OF THE PARTY OF THE PART	人似此
per ellers	e 54	155-180	316 .	365 1	374 .	100-125	120	200-250	140-190 ***	133-140-77	建物
1 (A) E(A) 1-sm(1) (C 50%)	D237	>10"[L.0×10"	10,, 10,, 1	10"-10"	<u>-</u>	>10,	>10"	>10,,	>10,4	-0.11 X 10
(加州) (加州)		ě		· · ·		٠,	8 1 A		1		
40 L mt-L	AN.	710 4112 (155)	500(90mH)	400 413 74 75 75	14.00 SAS. 30.	100400 100400	100 100	500-660	150-500	320-200	330 630.
5 1 at 14 24 0K	333	-2.7	(e)(1)()	1.0	E		-337.	• • • • • • • • • • • • • • • • • • • •	-	 	7,
(LEPALA) /B-in, thickness,	D149	C80		250 1	180	-""	130	150 650	410-600	-	530
nita/mil		:		. &		<u> </u>		-		-	3.4-7.6
	D170		3.7	3.1	3.033	3.7	<2.1 <2.1	2.2-2.6	1.30-2.35	3.2-4.0	3.4-7.60
			3.7	3.4		3.7	<2.1	2,2-2.6	1,30-2.35	24-34	(.21-5.10
用用失如		0.0005			0.020	0.020	< 0.0002	< 0.0003	< 0.0003	0,007-0,020	0.015-0.0
以间央LKItz		0.00021	0.0010	0.01	0.019*	0.01	<0.0002	<0.000\$	< 0.0005	U.007-0.017	0.043-0.0
和其类1 mile		9,0001 ((40ml1) 0,006	0.03		0.01	< 0.0002	<0.0018 <0.0005	< 0.0005	0.006-0.019	0.050-0.1
	D49\$	_ :	240		130-140	-	>300	-0.001A 13G-18S		60-80	122
SKIR	D370	<0.01 ¹	0.22		13	0.6-1.1	0.00	<0.01-0.03	0.01	0.04-0.4	-l
(/ 453.2mm/97% S/\$2800=/min	D633	u	1.0-1.1-2 (41)	- foreign			- p		1.00-1.04		
in ministry	- 24	IZMING#	10 10 10 10 10 10 10 10 10 10 10 10 10 1	145.05		1	1	45000000	កស្រុសមាល	14534250	ZWEVAR
1大印度		MINTER A	阿斯斯阿克	winds were:	人们们,们们	安慰制名称外	不受影響	「密金励ル・	別でほから 別本でかれま		生态处
KRUF	D543	LATORIAL DA	REMINER	FILADOR S	РПЛГЖ Я	PILARAR	不及影響	不及心場	PERFECTIVE SING	不受影響	12 PAINTA
	D343	多如蓝红旗		交换路		父母终	_	防要测风机	magnaci		toros
MARK THE	DJ43	INTO MATERIA	·	不及影響。		不受影響	不及影響		IVANTES		HEATE
		-					_	IASMANUS 2	_	_	INDIAT
THE STATE OF THE S	D343	KNWATA	不受影響 /	INSMITT !	Transfer	IANA L	不及以降	_		,	1
eriestrol William	D\$43	Also CLL'S		一段打造社				· Fileo CIL	F RINGCIA Mainte		
ប្រជាប្រធានា		m segura	MANAMAIN	4.	्रास्त्राणस्याः		"	' Lummii	I EUROBIA	L PUBLIS	
	_	平是说明	不透明~	1)15.16.00	い不振型点	小水明一	7.1581	. 116747 + 41	第一型流 数	17.荣赏班	1123

Harbour Industries MIL-C-17 Coaxial Cables

Thursday Cha	racteristics								
enysical cha	Cunter	Pile			Overall	Minimum	Operating	Weight	
M17 Number	Conductor	Dielectric	Shield	Jacket	Dameter	Becommended Bend Radius	Temp. (%C)	(lbs./MFI)	Comments
417/60 RGT42	(03) S0SV	116	SPC(2)	alte e	95	STATE OF THE PARTY		調整が	
417/93-RQ178 S	0.20 0/00 98		CASPC S	新 伊	071		E STANK	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M17/93-RG178
M17/93-00001 V	0120 (7/1004 JS	CCS 1 033	SPC	\$1(PFA	.071		Property of		Wextended temp rank
分配去某些 力	位置於世紀世紀					BEEF STONE HOR	[2] 2007年1月2日2日 - 55 + 200	10.8	Mexica ned multifalk
417/94-RG179	.0120"(7/.004")9		SPC	FEP	.100*	0,4"	-55 +200 -55 +200	19.8	
/17/95-RG180	.0120"(7/.004")\$		SPC	FEP	.141*	0.7"	-55 +200 -55 +200	40.0	
M17/110-RG302	.0253"5CCS	.146*	SPC	FEP	.202"	1.0	-55 +200	31.0	
M17/111-RG303	.037"SCCS	.116"	SPC	FEP.	.170*	0.9"	-55 +200	94.0	
V17/112-RG304	.059" SCCS .	.185"	SPC(2)	FEP	.280	1,4"	-55 +200 32002532563	2222	
	0201-07.0057	SCCS = 060	* _{SC} SPC/± ₃	RP.	. 098		以	1650	21.00
M17/127_HG3833	1004,0(03)2	285	- SPC(2)	FEP	39013			100 S	
417/128-RG400		SC 3 (16	SPC(2)	TEP	195*4		性 经	15.0	Triaxial M17/93-RG17
M17/131-RG403	0120,77,0043	CCS# 033	SPC(2)	? FEP(2	116 3		10000	18.5	Double shielded
A17/152-00001			SPC(2)	FEP .	11147¥		1		M17/113-RG316
			MANUAL I	DEED VOICE.	.195°	1.0"	-55 +200	56.0	Unawept M17/60-RG
117/158-00001	.037*SCCS	.116"	\$PC(2)	FEP FEP	.071	0.4"	-55 +200	6.3	Unswept M17/93-RG1
M17/169-00001	.0120"(7/.004")\$.037"(SCCS	SCCS .033" .116"	SPC SPC	FEP	.170*	0.9"	-55 +200	39.0	Unswept M17/111-R0
V17/170-00001	.0201*(7/.0087*		SPC	FEP	.098	0.5	-55 +200	11,5	Unswept M17/113-R0
M17/172-00001 M17/174-00001	.094*(7/.0312*)		SPC(Z)	FEP	.390*	2.0*	-55 +200	175.0	Unswept M17/127-R0
A17/175-00001	.0384"(19/.008"		SPC(2)	FEP	.390*	1.0*	-55 +200	50.0	Unswept M17/128-R0
M17/176-00002			SPA	PFA	.129"	0.6"	-55 +200	18.0	Controlled impedance
1111110-00002		1011401010	• • • •						twinex
Transfer Man	ASSESS ROZZADIA	· · · · · · · · · · · · · · · · · · ·		12000	OF THE SEC	$\mathcal{H}^{\mathcal{N}}$		3.53	160
7 1 1	JAKTHER IS	T - T - SHEET 221232	255C	BOOTHE	100°	J30	35.00	0.01	THE DESCRIPTION OF THE PERSON
10 10 VAII	201000000	See (0.0)	SPC 1	PETFE	CV\$100	0.5	35(95.9)	* XXX	7 200 A 2070 SEE
(6)(19)(4)	DECEMBED S	CCS 2102436	A SPO Z	₹ TTE	2.2040	1000	37 29	€0	Flouble 250 Dirack
RG 196 AVUN	0207770035	cas (032)	SSPC V	PIFE	080	10.1	E27.72.00	10.9K	Hexible, 250°C Cark
Clastriani C	haracteristic	•	o terrapisa year						
Electrical o			x. Operating			Maximum alto	nuation (dh/10	01년 준	Max Frequency
M17 Number	(ohms)		itage (RMS)		MH2 40	00 MHz 1 GHz		5 GHz 10	GHz (GHz)
M17/60-RG142	50 +/- 2	29.4	1900		5.5	11.7 . 19.0	35,0	48.0	- 124
M17/93-RG178	50 +/- 2	29,4	1000		6.0	33.0 52.0		•	- 3.0
V17/93-00001		29.4	1000	1	6.0	33.0 - 52.0	94.0	into monte e e e e e e e e e e e e e e e e e e	3.0
NEWSTREAM.	1-76 C	Contract of the second	31/200/4 0	海拔	CARRY	S			
V117/95-71G1 BO			銀器数	1	40.00	3.0	280	2 14 AM	公田 经本记录
//17/111-RG303	50 +/- 2	29.4	1900	The states of	3.9	8.0 15.0	28.0		
W17/112-RG304		29.4	3000		2.7	6,4 11.1	22.0	30.0	- 8.0
M17/113-RG316		29:4	· 1290		11.0	21.0 38.0			- 3,0
	4327- 6		300	TC:523	12 15 CV	67	100	21 kg 20 kg	969 H 2.5
	2	3.	(200)	2 100			1 3 350	200	relation in the second
ANY PARTIES	50 +/- 2	20.4	1200		11.5	24.0 40.0	The second second second second	110.0	170.0 12.0
M17/152-00001 M17/158-00001	50 +/- 2	29,4 29,4	1900			9.5			
M17/169-00001	50 +/- 2	. 2914	1000		• .	29.0	·	` .	
MEZ/SEZOE009003	590-2			100	1	3.5		i i	多分型 海南
Market Commence	13.2 - 1		200		经被通知	3.3 30	展記	100	建 [[在旅游]]
M17/17/4E0000018	50.55	CHEST CONTRACTOR	1000 E681		2.00	10.5	CICK SAME CONTRACTOR	A CONTRACTOR OF THE PARTY OF TH	ANNUAL PURE A SECURE A LIVER AND
M17/175-00001	50 +/- 2	29,4 19,0	1900		:				·•
M17/176-00002	77 +/- 7 8:38:36 (8:33:36)	19.0		不过过过		100	E 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.00	STATE OF
	Maria d		1200 1200 1500 1000	B 2		发展的发展	新疆 1000		3
RG-ESVAG	73:35 U		1200	黎 湖。	110	(IDE IS EST	建设的320以	The state of	34-21/2008
REXUS AUG.	3376		1500	秦 等			进事實後國	新兴社	The state of the s
RG 196 AV	222.011626	294	1000	1	7	29,0 325	步攻為這種	2000	等者 医不足术 医皮肤 医乳

[&]quot;Maximum frequencies" are those as referenced on individual stant sheets of the MIL-C-17 specification. No values are given for unswept constructions at the specification recommends these cables should not be used above 400 MHz. (All figures referenced above are nominal unless otherwise specified.)

宫前五金股份有限公司

MX:_____

放敞机告表

1 11

*		中西开					.[
A	Æ	FREE CUTTINS BRAS	S ROD				· .
IJ,	梅	JIS H3250 C3604					
Ӏ	H X IE	林 华. 住	*	41	体	(#	<u></u> †Ł
124	Cu	57.0 - 61.0.	<u> </u>		.,=		
*	Pb	1.8 - 3.7					
八	Fo	₹ . 0.5					
份	Sn+Fe	₹ 1.2		:			.,
·%	2n	REMAINDER	Janasesev	hre e seminantina		i	
	1,2,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,				_/	`! .	
*				. /		:	
	<u> </u>		; ;	<u>/-</u> -		i	
						50 ft (0) 10	1000
		•				N. T.	dist
1						TEL-(03)32.82	
	i					美山松大树	(4) W. Arriva
他							

桃则移席山梯顶湖92位 电传:(03)3.



Typical:

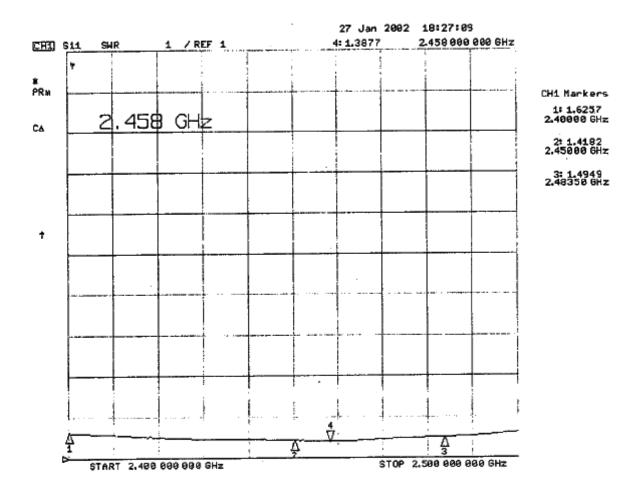
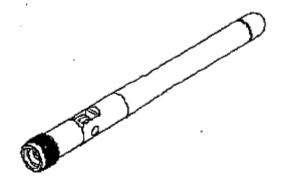


Figure 3



Appearance:



Dimensions: Tolerance 5%

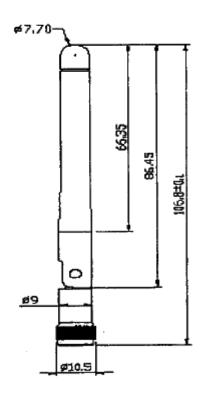


Figure 1

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Colouriess liquid
Odour: Characteristic pungent

pH: ---

(The following properties are to be interpreted within the meaning of Directive 67/548/EEC)

Boiling point: 97-99°C

Flash Point (Closed cup) : -1°C

Specific Gravity: 0.7 approx.g/ml 2 20°C

Solubility in Water : Insoluble Solubility in Acetone : Soluble

Vapour Pressure: 350mmmmHg @ 20°C Other Properties: Vapour density: 3.45

Explosive Limit: 1-7%

10. STABILITY & REACTIVITY

The product is relatively stable under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

inhaiation:

Inhalation of vapours may cause headaches or dizziness.

Exposure to the solvent vapour should be minimised and the product should be used where adequate ventilation is available

Skin:

Acute dermal LD50 is estimated to be greater than 2000mg/kg.

Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals,

Éve:

May cause irritation to eyes.

Ingestion:

This product is considered to be of low toxicity having an acute oral LD50 (rat) >2000mg/kg by analogy to other similar products. Ingestion of large quantities may cause liver or kidney damage.

12. ECOLOGICAL INFORMATION

No information available.

Readily bio-degradable.

13. DISPOSAL

Incineration under controlled conditions recommended.

Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

UN No.: 1993 (1950 for aerosol version)

Air(IATA): Flammable liquid, n.o.s. Class 3, Pkg. Grp. II. (Aerosol, flammable, n.o.s., Class 2.1,

flammable gas.)

Sea(IMO): Flammable liquid n.o.s. Class 3.2, Pkg. Grp.II. (Aerosol Class 9 Pkg. Grp.II).

Road/Rail (ADR/RID): Inflammable liquid, Class 3, label No. 3 (Gas. compressed, Class 2, Aerosol).

15. REGULATORY INFORMATION

Hazard Label:



Hìghly flammable

Contains: Heptane

Risk Phrases: None

Safety Phrases:

S9 Keep container in a well-ventilated place.

\$16 Keep away from sources of Ignition - No smoking.

\$23 Do not inhale vapours/spray.

829 Do not empty into drains.

833 Take precautionary measures against static discharges.

Standard aerosol text also required.

16. OTHER INFORMATION

Further Information may be obtained from the Health & Regulatory Affairs Department at the following address:-

Loctite (International) NBD Tallaght Business Park,

Whitestown,

Dublin 24, Ireland.

Tel: +353-1-510433 or +353-1-519466.

Fax: +353-1-519073

Prepared by :

Dr. Prabhu Kulkami FICI

Health & Regulatory Affairs Officer.

Internal formula ref.: 895 4/92

HRA Ref .: 287-E

Formerty Development Product: LID-1213

Supersedes Satety Data Sheet No: 287-E

Our Ref: P8K/MC

The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge, is accurate and current at the mentioned date. Neither Loctite nor its subsidiary companies accept any liability arising out of the use of the information provided here or the use, application or processing of the product(s) described herein. Attention of users is drawn to the possible hazards from improper use of the product(s).



Cable Physical Characteristics:

Mii-C-17 Coaxial Cables

MIT Number District District		, til	HOE CINE	Tiches	139063.							
MIT/AS-REGIN:	мі7 №		Cert Cardia		an 1	4.4		Owner Calent				
MIT/SERGIN: 0130 V/001 SCCS SERGE A SPC MED 071 Meta-Carriers 55 - 200 META-SEGIR								.135	Chickle Std Attended	-52 +255	2012111	Exercise Services
MIT	MILAL		0150.0004	13003	Dealer a	4 SPC	MATERIAL PARTY	971-		-55 +200		
MITATION 1137 113	September 1	pies.		,	新发展的	3				·55 +270	10.22	
MIT/ID-RC200 D235*SCCS SECURITY SPC SHEET MT SECURITY SPC SH	MUZ 754-Ri	Albert	B # 20 0 / D 4 4	TSCCS	The state of the s	5 SPC	9.8627	.101-	STREET BATTLESING	-55 +200	Microsoft British	The same of the sa
MIT/II M	M17/65-14	1466	04 20°C/384	78003	安心地	SPC	(SEE2)	ास	Brand Thrusts	-55 + 200		
MIT/ED-RESIS	V13700-0								mental of the Party			
MIT/II-RESIA 201 GEOF SCCS SCORES SPC PARTS DAY SCORES SS-200 SPC SECS SE	107/100	CHAIL.	Д/%	C	阿里斯斯	SIC	3 FE 184	.175	E-COLD B ST-6336-0			
April Apri					20,165	SPCIZ	ALC:					
All	EGIPTIS R	CHIEF T	ZOL GUICA	75003	34.00 V	1300	WHO S					
March Marc	LULAN R	230	U94*(17.03)	2")SC	10000	SPCIZ	7157	301	National Bulleting			
### ### ##############################	All (242 9)		34(11)	OFISC	STATE OF THE PARTY OF	SPCIZ	3 EP 9		1030-1200-053	-55 +200		
Double United	MINARIE	CARL I	HSLANON.	18002	SPECIES SE	CF CIZ	400	.116"	to an IL Steel The	-55 +200		Telegram \$117/93-RC178
Mil/Sis-Annual 00 SCCS Section 17 to Fig. 186 Section 186 Se		数,	Sel-Atme)	75005		SPC(Z		:00				Double shielded
MIL/10-00011 DIT O'RE SCCS Sec. 055.55 SCC SEP	VIII ARE	BOOTE !	.037*50	<u> </u>	ASSESSED FOR	SICIO	300003	196*	Secretary and Property and	-55 +200	WARRED IN	
######################################	MILTON	MAP .	120 6 567						marked in Control of the Control			
### Addison Big (#### Addison Big (#### Addison Big (##### Addison Big (####################################	A417.7178 G	MOE!	.037"(SC	CS -	STEEL BOOK	SPC	64524		distribution			
######################################								.066*	THE WINDS STREET			
MILATER 100 Milater	141714	2005	D1.6 VID15	SCCS	GOLDON PR	SPC(S	SELPE	298*				
MATAN CORD 1215 (10 ADS) SPA QUARTERS SPA	MILANO	3000	1384*(197.5	GET JSC	SECTION A	SPCIZ	2000	3500	- Cond 10 (15 and)			
2014 (Republing Declared RD Cather September 5 (1974) (197	No. of Street,	246			巴斯姆 李明	,		.125*	***	-55 -220	SECTION.	Controlled Impedance
CHARLES HAVOTABLESCES SACRESSES SPC DAME. HIT SCHOOL SS-250 CASCIDATES Florida, 280°C recei	186 10 32	100	1297(1/.004	SCCS	建设在 代	SPC	響				海 森森	Pleasthie, 250° C. rated
THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS												Plansible, 250° C. rated
SECONDARIA BY COMMISCAS SECRETAR SPC SEVEN IN THE SECONDARIA SECRETARIA SECRETARIA SECONDARIA SECONDARIA SPC SECONDARIA SPC SECONDARIA SECONDARIA SECONDARIA SPC SECONDARIA	PHI PA	ESPAN D	120"(7/,064	PCCZ.	200	SPC	强和股			-55 +258	CONTRACTOR OF THE PARTY OF THE	Firstble, 250° C. races
Annual Property of Control of the Co	196 496 AS	TON 9	121°07.0H	5023	No. COLOR	SPC:	971) bi	.067*	を作る なっている	55 +250	ACCESSED TANKS	Finalisie, 250° C. tated

Electrical Characteristics

MIT Number Shape					فيارغ فأ	منوز وشبورها		250838	
MIT/60 RC162 348 47723	2.(1851 (CHH	19.0	0.241.003	-64		17.4
MIT/93-RG172 755 68925		2000 Telephone		E-0114-924	52.0	SECTION 2.19		100	3.0
M11793-0000 BLACKS		ARREST EN DYSONS		69330-4 2	32.0	63/16/19	÷	20042293	30
M17/94-RG179 42/64/533	19.4	901113.70		Arr 21-0-164		e Constant and	-	Representation of	
MITTED RIGHT HE HELD'S	16.4	The Allegan		SCHELLOW!	$\overline{}$	(Specialism)		SEASONS.	
MIT/TIP HCRU WERE	19.4	With Company of the London		Art Down		中的大型	_	PAPE STREET	
411/1H-REED 2000 2000 2000	29.6	WE'D SHOW	3.9	40.40.25	15.0	Service Service		OCLOSCO SE	
MIT/III RESIDENTE PARTIE	23.4	100000000000000000000000000000000000000	2.7	BANKS CARRY	11.1	DE-12.199	300	WEST-94	6.0
4177113 RC316324 \$1324	29.4	STATE OF STREET	11.0	SECTIONS	38.6	0.5602		STATE OF THE PARTY	3.0
1117127-RC590934-20929	22.	#120-200 MONEY	2.0	Oak 50 - 20	1.6	Section 2	24.6	West 4286	U.A
417/12E-RC100 (656-668-25)		COLUMN TWO	1.5	PANEL FOR	17.0	STEATS	50.0	SUT Buchin	12.4
417/131 和3403 京都 405年		MAN OF SHAPE PROPERTY.		EX STALLED		9427644		507739463	10.0
(1)/151 OXOL 230-230-4	20.4	WASHINGTON	11.5	0926099	10.0	到和海	110.5	643 118694	12.4
417/154-00001 238 XX/233		MAN 14 000 14 17 6	-	SCHOOL STATE	·	F-18-75-73		BUG WANT	
111/100-00001 多種文字系	29.4	Account to Congression		表现的 的变变	٠,	2000		A 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
#17/178-DUDLE #S#-####	29.4	SECURE DESCRIPTION		Dip Storing		CONTRACTOR I		PROPERTY.	
1117112-00001 200 EAST	29.4	CONTRACTOR OF THE PARTY OF		wezt new		SPECTAL PROPERTY	-	Oracle Broken	
117/17/ 00001 AMPRINES	29.4	AND RESIDENCE	·	446-AD:6345		444		0000000000	
417/175-0000L 2/Sdr425242	29.4	MARKET BOOK SHOW		电影器多种 电		第40年 新華		ACCUPATION A	
ATT/TTE-ULUOT SAFETESTA	190	CONTRACTOR OF THE PERSON		MICONSHIAS		超能400		10000	
THE Tape Wrap Lactioned M.	حادث					202	-	2	
O IST A/U CHECKE	19.4	學學學學		300	,	经济编		CALL STATE	3
CINA/C WARE	29.4	SENSON BUILDING	11.0	marginal Arme	38.0	Shiffed and		care and occi	-
KL INS A/U SEE * FESTE	121	CONTRACTOR AND ADDRESS OF		Canal Labora		200.00750	-	87 SACO	3
G ISS A/U GG A A A A A A A A A A A A A A A A A A	29.4	PARTY NAMED IN	,	SHARD HA		The Statement	-,-	建设的补偿	

[&]quot;Maximum impurates" are those as referenced on incividual stast shorts of the Mill-C-17 specification. No values are given for unament construction as the specification recommends these cables about no be until short 400 Miles. (All figures referenced above are maximal orders about to see an accident

NSPORT INFORMATION

993 (1950 for aerosol version)

- : Flammable liquid, n.o.s.Class 3, Pkg. Grp.
- Flammable liquid n.o.s. Class 3.2, Pkg. Gr (ADR/RID): Inflammable liquid, Class 3.

ULATORY INFORMATION



Highly flammable

Heptane

808 None

rases:

antainer in a well-ventilated place. away from sources of ignition - No smok t inhale vapours/spray. t empty into drains. precautionary measures against static di: terosoi text also required.

ER INFORMATION

ormation may be obtained from the Heal ddress :-

emattonal) NBD usiness Park.

Ireland

.-510433 or +353-1-519466.

·1-519073

ov :

Regulatory Affairs Officer.

rmula ref.: 895 4/92

Formerly :

ЭВК/МС

287-E

Supersedi

tion in this safety data sheet was obtained from recurrent at the mentioned date. Neither Loctite no the information provided here or the use, applicausers is drawn to the possible hazards from impre

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Colourless liquid Odour: Characteristic pungent

pH: ---

(The following properties are to be interpreted within the meaning of Ol

Boiling point: 97-99°C

Flash Point (Closed cup): -I°C

Specific Gravity: 0.7 approx.g/ml @ 20°C

Solubility in Water : Insoluble Solubility in Acetone : Soluble

Vapour Pressure: 350mmmmHg @ 20°C Other Properties : Vapour density: 3.45

Explosive Limit: 1-7%

10. STABILITY & REACTIVITY

The product is relatively stable under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Inhalation of vapours may cause headaches or dizziness.

Exposure to the solvent vapour should be minimised and the product should be ventilation is available

Skin:

Acute dermal LD50 is estimated to be greater than 2000mg/kg. Solvent may remove essential oils from the skin making it susceptible to attack

May cause irritation to eyes.

Ingestion:

This product is considered to be of low toxicity having an acute oral LD50 (rat other similar products. Ingestion of large quantities may cause liver or kidney

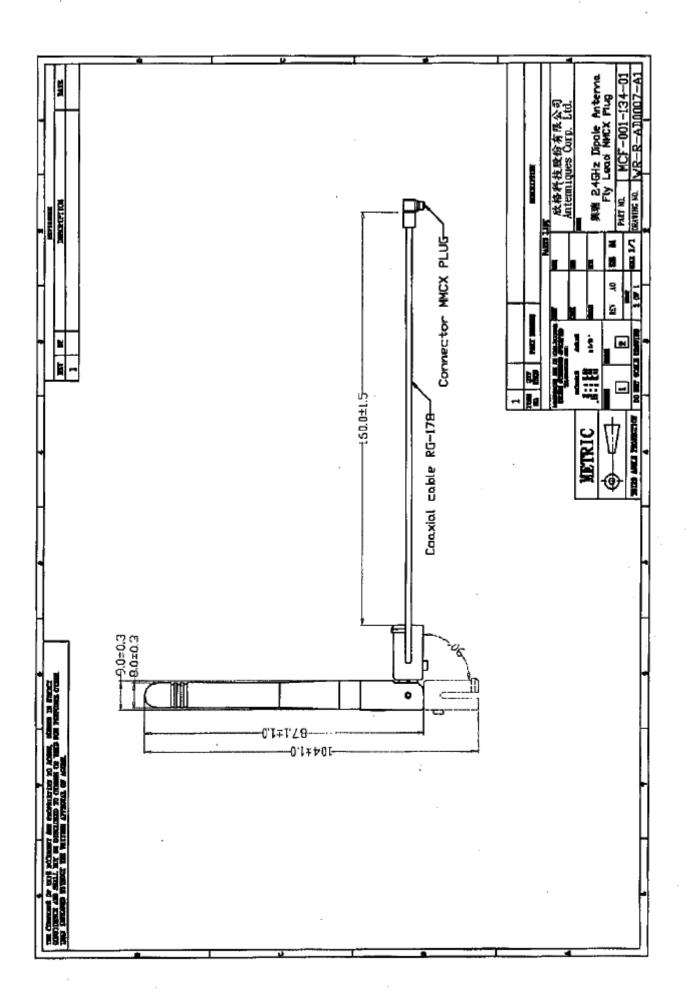
12. ECOLOGICAL INFORMATION

No information available. Readily bio-degradable.

13. DISPOSAL

Incineration under controlled conditions recommended. Dispose of in accordance with local and national regulations.

Ant. B (Antenniques Co., Ltd.)



TECHNICAL DATA

Electrical Properties

Frequency Range

: 2.4~2.5GHz

Impedance

: 50 Ohm nominal

VSWR

; ≦2.0

Gain

: 2dBi

Radiation

: Omni

Polarization

Vertical

Electrical Wave

: λ/4 Dipole

Connector

: MMCX Plug

Mechanical Properties

Antenna Cover

: PU

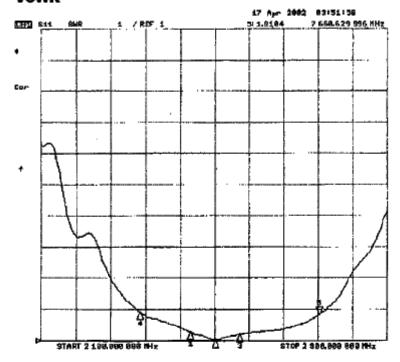
Color

: Black

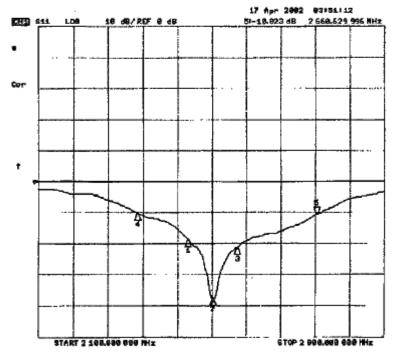
Operation Temperature : $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Storage Temperature : $-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$

VSWR



Return Loss



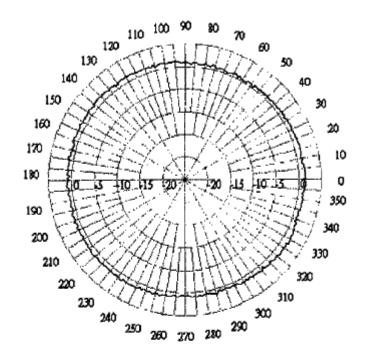
CH1 Harkers 13-18-324 dB 2,48888 GHz

CH1 Mart ers 1* 1.2598 2.48898 SHz

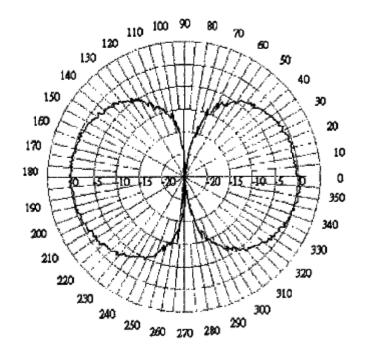
21-37,464 dB 2,45688 6Hz

31-21,171,d8 2.50000 602 41-19,123 d8 2.29972 64z

H-Plane



E-Plane



Antenna Cover Polyurethane

Elastogran

Elastogran GmbH Geschäftsbereich TPU-Elsstomers -

Elextogram GmisH - Postfach 1140 - 48440 Lemförde - Germany WILL COMPANY LTD.

P.O. BOX 36 - 431 RC TAGYUAN HSIEN

Date No.

Inspection Certificate EN 10 204-3.1 B (DIN 60040)

Product : Batch : ES 95 A 50 000 207672 No.: 15002939

Basic-Batch 207573

Property	Test method	Unit	Value
Dichte	DIM 53479	g/cm3	1,24
Shore-Restte D	DIN 53505	-	50
Xugfestigkeit	DZM 53504	MPa	53
Reissdehnung	DIM 53504		550
Abrieb	DIN 53516	== 3	22

Dictità — Constit/Centità, Shòre Hillis — Shòre hardessetChors Dunest, Zuglestigisht — Tenale atrangit/Resistance inscisor. Relitentating — Elementes at breshiptiongament suppure, Weimerellestiansend — Teor etrength, Abrish — Abresio-IoseMhre

The stand whose are measured from a representative basis (lession sets) of every product on modific.

Test plasers are injection orgulided from sky granulate with less than 0,05 M water portent. Test plastens tempered 20 hrs. at 100 °C, then veoled to 23 °C /50 M RH before testing. Test gas/from set from sept plastans.

We havely certify, that the material described above complies with the sense of the order constant

 information is derived from our quality sheeks. It does not refleve the purchaser from exern? and given no assurance of suitability of the product for any particular purpose.



欣格科技股份有限公司 : Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F, No.6, Laine 122, Sec 2, Ganyun St, Shulin Chulin City, Taipei Hslen, 238 Taiwan R.O.C.

Antenna Cover Polyurethane

Elastollan S規格系列

聚酯類Polyester、有良好機械特性,僅美的影像性、高 磁性、抗拉及撕裂強度用於運動鞋底、溜冰鞋及機械零件等,射出及摔出成形

							8	•	V		0
物 性	單位	DIN	SAGA	885A	888A	S90A	S95A	896A	S60D	\$64D	\$74D
用於射出▲ 押出■ 吹出●			A 2	A	•	4	•	•	•	•	•
设度 蕭氏A Hardness	Shore A	53506	81	85	88	93	96				
硬度 黨氏D Hardness	Shore D	53505			36	41	48	55	60	84	75
它度Density	g/cm²	53479	1.22	1.23	1.23	1.24	1.24	1.25	1.25	1.26	1.26
抗拉強度Tensile strength *	N/mm³	2201-22	50	55	55	55	50	45	45	45	40
面裂证件平Elongation at break *	%	53504-52	750	650	650	600	550	500	500	450	300
20% 抗拉模數 Tensile modulus *	N/mm²	D3501-82	2	2	3	6	8	13	15	22	25
100% 抗拉磺酸Tensile modulus *	N/mm²	33504-Sz	4	5	6	9	11	16	18	23	30
300% 抗技模數 Tensile modulus *	Nimm	5250H-S2	,	8	8	13	20	23	34	38	40
保性模数一級力測試(測試模品3mm) Modukus of elasticity	N/mm²	534574		•				200	250	410	800
类裂殖度 Tear strength	N/mm	53515	60	70	75	95	120	150	170	204	240
摩漆接笔 Abrasion loss	um,	53516	40	35	30	30	30	25	25	25	25
查温服箱變形本 Compression set	*	53617	25	25	25	26	25	30	40	45	55
70℃壓縮變形率 Compression set	%	53617	35	35	35	45	45	45	50	55	60
凹口衝撃強度 +23℃	kJ/m³	53 6 53	不被	不識	不概	存製	不翻	不够现	不養調	不職業	不確認
Notched impact strength (Charpy) -30°C		***	不能器	不被	不敬聲	不嫌觀	5	6	6	4	3

S2放片在100mm/min的店里读定下到量

•厚度2或8mm射出試片,在100℃回火20小時後測験

上列制験信仰供参考・常理客戶製品設計商機

投算单位:1MPA=10,2kg/cm=145P3(=1N/mm* 1kJ/m*=1.02kg.cm/cm* 加工條件

一射出成形温度175-240°C

--X320-70℃

-押出成形理度175-230℃



欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Tahwan R.O.C.

Polycarbonate Antenna Base

TELLIN CHENICALS LTD.

THE LIFE CHEN LCALS: LED. 2-I BCRISALWALCED I-CHOKE, CRIYODA-KU, IOXYO JAFAN

TREBUNCHE: TORYO (\$508) 4720 FACSIBILE: TORYO (2606) 4760.

TO YEAR IT MAY CONCERN.

CERTIFICATE OF QUALITY

CONGRODITY : TRILLIK PARTITE (Polycachonate Resin)

COL NO. - NATHEAT

PURK	MIT	TEST PETROD	QUALITY STANDAND	TEST EASULT
(lied Molden (lied Molden (lied Molden	kgfcs/cs	ASTU DING	≥30	PASS
SLEXURAL MODULUS	kgf/çd'	ASTM D790	23, 600±1, 500	PASS -
TENSILE STRENGTH (AT BERAE)	kg!/cn²	ASTN: DRIER	\$20±145	2155

NOTE : ALL PIGURES ENTERED IN THIS TABLE ARE FOR THIS SPECIFIC LOT AND. THEREPOSE, NO GEARANTER.

TRIFIN CREMICALS STO.

T. ÉFRUCHT

Manager.

SALES ADMINISTRATION DEPT.



欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巻 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shuiin Chulin City,Taipei Hsien,238 Taiwan R.O.C.

Antenna Base Polycarbonate

QMFZ2 Component - Plastics

TELLIN CHEMICALS LTD . ESCOTS	
{C - cont, from £010	
L-1225LM(d). All 0.40 94Y-2 80 80 80 4 3 2	
L-1225LM(d). All 0.40 94Y-2 80 80 80 4 3 7 — L-1225ZL(d) 0.75 94Y-2 80 80 80 80 3 1 2 —	_
1.5 944-2 125 115 125 3 1 1 -	_
	_
2.1 94HB 125 115 125 3 1 3 <u> </u>	_
3.0 94HB 125 115 125 2 1 3 5	5
, 8.0 9AHD 125 115 125 1 1 1	_
L-1225(14) AU 0.4 94V-2 20 80 80 4 3 2 - 0.75 94V-2 80 80 80 3 1 2 - 1.5 94V-2 125 115 125 3 1 3 -	_
0.75 94V-2 80 80 80 3 1 2 -	_
1.5 94V-2 125 135 125 3 1 1 =	_
	_
3.0 944-2 125 125 3 1 3 5	-2
3.3 94HB 125 135 125 Z i 3 -	_
6.0 94HB 125 115 125 1 1 4 -	
	-
a departuration and and the second se	_
L-1250U#(d). 0.84 94V-2 80 80 40 4 4 4	_
L-1250VH(d), LS 94HB 125 115 125 4 6 3	
L-12507#(d). L5 94HB 125 115 125 4 0 3 L-12507#(d) 3.0 94HB 125 115 125 2 0 3 5	_
6.0 94HB 125 115 175 1 0	2

Reports: February 10, 1989; February 10, 1980; September 24, 1990.

Replaces E50075C dated November 1, 1994.

499748006 N7047 Underwriters Laboratories Inc.

(Cont. on COOS card) D11/003291B

OMFZ8 Component - Plastics Certified For Ennada

TELJIN CHEMICALS LTD

E50:075 (M)

(C - cont. from B card)

(cc) 10 thru 30 incl.

(f) A two digit number (10-15) denoting carbon filler content.

(f) A two digit number (10-16) denoting the total content of carbon fiber and glass fiber.

We = A two digit number 10 thru 20 denoting content of carbon filler.

A Arry one or two latters may be suffixed to the grade.

Harling: Company name and material designation, generic polymer identification, color number where appropriate, and batch or lot number or date of manufacture on container, wrapper or molded on finished part.

See General Information Preceding These Recognitions.

Small-scale test data does not pertain to building materials, furnishings and related contents.
Small-scale test data is intended solely for determining the Rammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the tembination is determined by Ut.



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 春 6 號 5 樓 TEI .: 02-2668-5793 FAX: 02-2668-5795

5F.No.6,Leine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.

Antenna Base Polycarbonate

liens	Medit	' Total	0494	Weat	Weather Resistant Grade (ME approve)			
	-	Methed	Condition	1-12252L	L-12262	T-1520X		
Specific gravity	- -	ASTM 0792	_	1.20	1,20	→ 1.20		
Water absorption	* .	ASTM DE70	24 hir in 25°C water	0.20	0.20	0.20		
Light transmission	. 14 :	ASTIN DAGGS	Server Welch	. 18	P#	#8		
Retractive Index	-	ASTN 8542		1.585	1.585	1.585		
Tensile Yield	(tegt/stell)	257M 2632		65 (660)	63 (640)	82 (630)		
Strength Bree	Set only	ASTM BESS	The state of the s	84 (855)	77 (790)	80 (820)		
Tensile modulus	(Agi/on/)	ARTM Bess	_	2,190 (22,300)	2,130 (21,700)	2,120 (21,600)		
Pessile . Yield	4. 1	"ASTM TALLS	. + 45°	. 6	. 6	6		
	经少分资料。	ASTN 2038	17 c/20	130	140	140-		
Flexural strength	MPa (hgl/dn/)	ASTM 0790	-	96 (950)	93 (950)	92 (940)		
Flooral modulus	3.1 (News)	ASTM OTHO	主義	2,550 (23,800)	7,280 (23,000)	2,280 (22,700)		
. Compressive strongs	betacha)	ASTN DONS		77 (790)	76 (760)	75 (770)		
1000	(ngi-par/om)	A\$TM 9256	1300 renoved 5.3 mm ministration	100 · (10)	850 (85)	- BBG (95)		
impacE strength //	(trof-centure)	ASTN COME	ized notified 5/5 5 6 dates thickein's	50 (5)	130 (13)	140 (14)		
Rockwell bardness		ASTM 0765	M state	77	77	77		
Moid shrinkage			Flow direction	0.5 ~ 0.7	0.5~0.7	0.5-0.7		
many servings	*	ASTM De65	Paverse d'rection	0.5~0.7	0.5~0.7	0.5~0.7		
Heat distortion				Load Q.451 MPs (4.8 kgf/cm²)	138	141	142	
imperature	•	ASTIX DE48	Load 1.812 HPs (18.0 kg//cm²)	128	131	132		
Coefficient of Singer	m10-1	ANTIN Sess	Flow direction	' 1	7	7		
expension	CR/CR/*G	AZIM SEE	Towerse direction	7 :	7	,		
Dielectric breekdown strength	Wen	ASTM Shell	Guick voltage rise method 1.4 mm thick	30	30	30		
Volume resistivity	x 10*D-cor	ASTN B257	= 4, 3	3	3	3 .		
Dielectric constass		ASTM 0150	00 Hz :	2.05	2.95	2.95		
			10°/42	2,0	2.9	2.8		
Dielectric loss langer	a -	AST M DISG	60H2	0.0004	0.0004	0.0004		
			10 ⁵ Hz .	0.009	6.009	0.009		
Arc resistance	to a contract	AFFM DARK	் கேருந்தின்	100	100	100		
Anti-tracking (CTI)	<u> </u>	12C 112	- 2.7	300	500	300		
Plante resistance vit		Figure 1	31.47 mm biles (c) 30.8.85mm biles (c)	14V-Z	9(Y-2··	." 94V-2		
4. 30 May 10. 4 Miles	S.P. THEN	Hara Artonia	St. 3.15mm Thick Con-	.947-2	844-5	. 944-2		
1 7 5 4		5.7	Electric 1,47 m/s thick	125	126	126		
Temperature Index	•6	UL 7468	Impact 1.47 mm there	115	115	115		
	'	}	Non-Imperi 1,47 mm trick	125	125	125		

All figures antered in this table are the typical figures and, therefore, no gual



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 楼 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipel Hsten,238 Tulwan R.O.C.

Antenna Base

Grades of Panlite'

Grades	Viscosity	Characteristics	Main molding methods	Principal applications
K-1350	High	Standard	Exhading/blow molding/ injection molding	Sheet, film, pipe and other extruded products. Bothes and other direct blow proloed products.
K-1300Y		Mold release/ice color	Extruding/blow molding/ injection molding	
K-13002		Westher resistance/ log color	Extruding/blow moiding/ injection moiding	
K-1300W		Powder	Extruding/relational mosting	* Large tanks and other rotational molded products.
K-1285	•	Standard	Estruding/blow molding/ - injection molding	
L-1250	Medium	Standard	injection molding	- Maghine parts, electric and electronics
L-1250R	·	Mold release	Injection Austring	appliance parts, medical apparatuses, protective equipment parts, industrial
L-1250Y	•	PLOID LANGES AND	Injection moliting	pens in general. • Uphling fixture pens requiring
L-1250Z		Weather resistance/ los color	Injection moiding	transparency and heat militance. This wases and mechanical parts requiring cold and heat registance.
L-1250J		Boiling water resistance	Injection moleting	
L-1250T	•	Boling water resistance implifination	Injection molding	
L-1250W		Powder	Injection moiding/ rotational moiding	 Large tenics and other rotational molded products.
L-1225	Love	Standard	Injection molding	+ Thin-well products requiring high flowsbills
L-1225R		Meld misass	Injection molding! Injection blow molding	electric & electronics appliance parts, machine parts, protective equipment parts medical apparatuses, lighting fatures,
L-1225Y		Meta release/ice color	injection molding? Injection blow molding	tamp shade, table were and containers. > Surjects for injection blow molding week.
1-12252		Westing resistance:	Injection moiding	
L-122(L)		Bolling water resistance	Intection moiding 1	
L-1225T	•	Boiling water recistance/mold release/los poter	Injection molding/Injection blow molding	
L-1225W	•	Powder	Injection moising/ rotational moiding	·
L-12252 **	Little fow	Mold release/ice	Injection molding	Utra-trin well perfe of electric & . electronics appliances.
L-12252L 100	* 2) (1) \$ 2 1	Mote release!	Injection moleting	• Utra-trin lamp lenses.
AD-5503	4	Optioni properties/	Injection molding	Compact claim, CD-ROM, optical lenses.

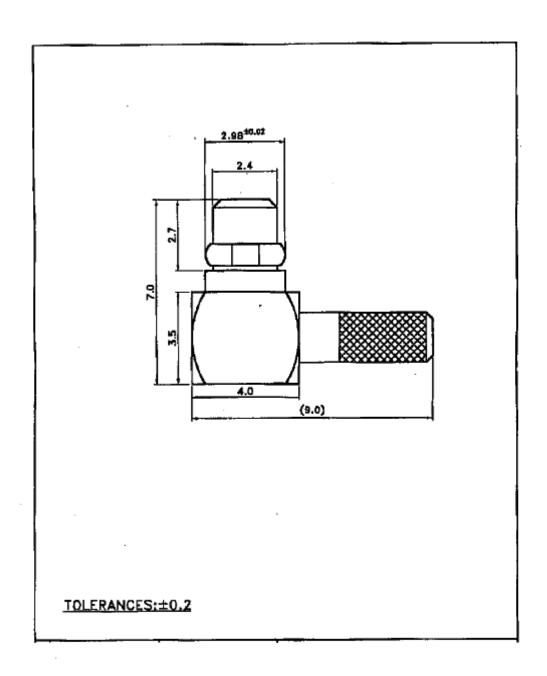


欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市相圍街二段 122 巷 6 號 5 楼 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.

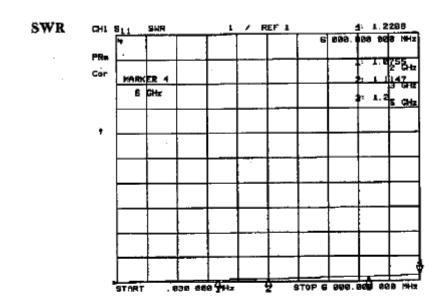


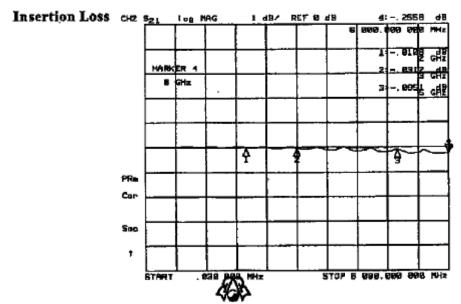


欣格科技股份有限公司 Anto

Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 櫻 TEL: 02-2668-5793 FAX: 02-2668-5795 5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.





欣格科技股份有限公司 Antenniques Co.,Ltd

MMCX Test Report

Name: Ping					Date	2002/	04/20
N= 1	Au-	7.09	μ.		1	i= 186.2	μ*
N≠ 2	Au-	6.95	μ*		1	i= 131.5	μ"
N= 3	Au=	7.01	μ"		1	ii- 117.6	μ"
N= 4	Au=	6.92	μ"		1	i= 177.8	μ"
N= 5	Au-	7.50	μ"		N	i= 209.6	μ"
BLOCK RESULT							
Product : Au/Ni/Cu							
	Aυ			Ni			
Mean ValueX	7.10 µ*			164.4	μ"		
Meas, Time	10 5						
Standard DevS :	0.241 [#]			38.7	μ^*		
C. O. V. [G]V	3.39 9 ₀			23.51	9₀		
No of Readingsn	5			5			
RengeR	0.60 μ*			92.1	μ*		
Min. Readings:	6.90 µ"			117.4	a.		
Max. Readings	7.51 µ*			209.6	μ-		

CHECK BY: ELO



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 卷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.

Test Report

	Name: Body	
N= 1	Au- 7.03 µ"	Ni= 164.5 μ*
N- 2	Au= 7.70 μ"	Ni= 208.8 μ"
N= 3	Λu= 8.04 μ*	Ni= 210.8 μ"
N- 4	Au- 7.75 μ*	Ni= 204.6 μ*
N= 5	Au- 7.36 μ*	Ni= 210.4 μ°

Product : Au/Ni/Cu

	Δυ	Ni
Mean Value	Χ: 7.61 μ*	199.7 μ'
Meas. Time	: 10 °	
Standard Dov	S : 0.332 μ*	19.9 μ*
C. O, V, [G],	V: 4.36 %	9.96 90
No of Readings	n ; 5	5
Range	R : 0.82 μ*	46.4 μ°
Min. Readings	: 7.20 ^µ "	164.5 ^µ *
Max. Readings	: : 8.02 μ°	210.9 [#]



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 楼 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Halen,238 Talwan R.O.C.

MMCX Engage / Disengage Testing

	For the first time		After 21		After 101		After 501	
	For the	rirst time	Engage/	Engage/ Disengage Engage/ Disengag		Disengag	æagage/ Diseng	
	Engage	Disengage	Engage	Disengag	Engage	Disengag	Engage	Disengag
NO	Force	Force	Force	Force	Force	Force	Force	Force
	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lhs)	(lbs)	(lbs)
01	7.10	4.68	6.81	3.52	6.40	3.01	2.68	2.02
02	6.88	4.23	6.46	3.25	6.21	2.92	2.80	2.25
03	7.20	4.05	6.68	3.21	6.29	3.11	2.61	2.20
04	7.19	3.79	6.83	3,11	6.41	3.15	2.81	2.05
05	5.71	5.51	5.55	3.31	5.40	3.11	2.65	1.71
06	6.20	3.58	6.20	3.40	5.81	3.20	2.67	1.75
07	5.80	4.61	5.50	3.51	5.35	3.15	2.69	2.12
08	6.01	3.33	5,36	3.28	5.16	3.23	2.68	2.15
09	7.25	4.20	6.22	3.15	6.16	2.97	2.81	2.61
10	7.31	4.68	5.80	3.20	5,60	2.99	3.32	2.42
11	7.11	5.51	6.40	3.50	6,31	3.10	2.82	2.14
12	6.22	3.78	5.31	3.21	5.09	2.97	2.78	2.10
13	7.31	3.33	5.40	3.33	5.10	2.93	2.84	2.12
14	7.33	3.78	6.22	3.15	6.08	3.10	2.65	2.20
1.5	6.22	4.89	5.84	3.19	5.55	3.08	2.46	2.28
16	6.44	3.33	5.39	3.11	5.06	2.98	2.68	2.48
17	7.31	4.01	5.51	3.23	5.41	2.90	2.85	2.20
18	7.33	3.56	5.33	3.34	5.20	3.02	2.88	2.11
19	7.25	3.33	6.28	3.45	5.82	2.91	2.84	2.30
20	6.44	4.00	6.47	3.54	6.10	3.38	2.81	2.10

CHECK: 陳建明



欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巻 6 號 5 樓 TEL:02-2668-5793 FAX:02-2668-5795 5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hslen,238 Taiwan R.O.C.

MMCX Test Report

鹽水噴霧試驗記錄表

試験日期:2002/04/20 試験號碼:2002042001 試験時間:08:90~18:00 共計10小時

試驗項目及內容

BANK OF INTO LAND
1 氨化鈉品質 工業用一般用鹽
2 蒸餾水品質
3 外觀學求程度 10 (小時)
4 噴霧採取器: 4.1 噴霧是
5 試樣: 5.1 種類
6 緊縮空氣壓力 1.00 kg f/om
7.試驗室相對謀度 88 %
8 試驗室溫度 3511 ℃
9 医归桶温度 47±1℃
10 鹽水桶溫度 35±1℃
11 其它2~3 μ(Ni) ; 1.2 μ" (Au)
判定

1. 依據標準判定......符合 RN 8 級 🕈



2. 依其它方法判定......N/A

試驗員:羅珮菁

Antenniques Co.,Ltd 欣格科技股份有限公司

台北縣樹林市柑園街二段 122 佔 6 號 5 櫻 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.

MMCX Brass

檢驗報告表

2002/04/25

緩験:

Del 264									
客	F	欣格科技 殷	伙格科技 股份有限公司						
品	名	FREE CUTTING	FREE CUTTING BRASS ROD 74.5.0 m/						
规	格	JIS H3250 C360	JIS H3250 C3604 BD						
PE E	數據	標準値	黄湖值	쓁	ar.				
化	Cu	57.0 - 61.0							
學	Pb	1.8 - 3.7			•				
嬔	Fe	< 0.5		,					
69	Sn+Fe	< 1.2							
%	Zn	REMAINDER							
			·						
共它			<u> </u>						



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Leine 122, See 2,Ganyun St, Shulin Chulin City,Taipel Hsien,238 Taiwan R.O.C.

Beryllium Copper

线

线是特类量多的镀锡产品,没有任何产品在应用上 有线这样广泛。

圆线之使用包括:

- ●长行程螺旋弹簧
- ●小型抗电损度
- ●冷银钉头双圆件
- ●弹簧负载测试探针
- 軽量耐致劳线差
- BANDOLIERED 连接背接点
- ●编制屏蔽布
- ●眼镜框

线拉查切成一定长度称为仟(ROD)。

线之斯州也可以不是國際。"异形"线在特殊的故 用中担任了重要的角色。如真线用于可收缩天线及 电粮电缆。崩线也可用于代替率带。虽然有定度对 厚度的比。如果超过此比就不可行,但在许多情形 下可达到节约。扁线可减少剪载毛边。

方线用于电子接点。特别是线的包封新页尖锐的角时。可以达到可靠的接触。偶尔。方形及长方形的线。 答要斜角以定向。这些需求及其他较不甘爽的形状的铁铜线均可以达到。

本公司所供应之线宜径自12.7mm至1.3mm, 其 公差 如表历示。软细的线可以向本公司定单或从本公司 之许多再拉制商款得。

线可以退火态(A)或圆分之一硬(1/4H)、半便(1/2H)或全硬(H)供应。但在特别情况下也供应照便化(亦称"预处模")线。本产品适用于各种强度与耐久性的产品,可达到柔软而严格的成型要求。

	技术规格						
BRUSH 合金							
25	C17200	ABTM 8 197 QQ-C-530 AMS 4725 SAE J 461, SAE J 463 JIS H3270					
MRS	- C17300	ASTM B 197 QQ-C-530					
3	C17510	• ,					
10	C17500	•					
ASTM 大幅は特は影像会 QQ 取り供格 BAE 発発す例:作品する AAM会 人交替的報告(SAE 列戦) USS 日本工业支持 DEN 原写工业支持 Es 昨年有五元末、 村村司 4.757m 将走到車。 * 订長年大学。 おませきを対象や。							

公差		
(豪米)		
鏡直提	BRUSH W 标准学 (+或·	
以上 以下	冷位	退火
1.27 - 2	0.008	0.025
2 - 3	0.03	0.05
3 - 6	9.015	0.05
6 8	0.02	0.05
8 - 10	0.025	0,05
10 - 12	0.025	0.05



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 櫻 TEL: 02-2668-5793 FAX: 02-2668-5795 5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Talpoi Hsten,238 Taiwan R.O.C.

		187794	之机械及电	P-d- ixthf			
余全 Alloy	状态 (*)	熱处理	裁宣學 mm	我 拉强准 kg/mm*	基取强度 kg/mm²	特长百分比	社会官身伊 SOAI
	(TB00)	-	1.9-12.7	42-56	14-22	30-60	15-19
	1/4H (TD01)	-	1,3-12.7	63-81	52-74	3-25	15-19
	1/2H (TD02)	-	1.3-12.7	77-95	63-88	2-15	15-19
25	3/4H (TD03)	-	1.3-2.0	91-109	80-106	2-8	15-19
C17200 和	H (TDD4)	-	1.3-2.0	98-117	91-113	1-6	15-19
M25 C17300	AT (TF00)	3hr 915-990°Ç	1.3-12.7	112-141	101-127	3 以上	22-20
	1/4HT (TH01)	2hr 315-339*C	1.3-12.7	123-145	116-141	2 以上	22-26
	1/2HT (TH02)	1.5hr 315-930°C	1.3-12.7	130-152	119-148	2 U.L	22-28
	3/4HT (TH03)	1hr 315-330°C	1.3-2.0	133-162	123-155	2 U.L	22-28
	HT (1:H04)	1hr 315-330°C	1.3-2.0	137-162	126-155	1以上	22-28
	(TB00)	-	1.3-12.7	24-39	7-22	20-50	20-30
3 C17510 和 10 C17500	H (TD04)	-	1.3-12.7	45-57	38-53	2-20	20-30
	AT (TFOO)	3hr 480-495*G	1.3-12.7	70-92	59-78	10以上	45-80
	HT (THOH)	3hr 480-495°C	1.3-12.7	77-99	66-88	10以上	48-60



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巻 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.

MMCX PTFE

APPENDIX

LEO ME PTFE rod is manufactured with virgin PTFE powder by ram extrusion or compression molding and is conformed to meet the requirement of ASTM 1710 (Standard Specification for TFE FLUOROCARBON ROD) described in following table and JIS K 6889 (JAPANESE INDUSTRIAL STANDARD POLYTETRAFLUOROETHYLENE RODS).

TABLE 1 Detail Specification for PTFE Rod

ITEM	PRÓPERTY	ASTH TEST METHOD	VALUE
1	Specific gravity	p792	2.15-2.2
2	Tensile strength	D638	280-350 kg/cm^2
3	Elongation	D638	200-400%
4	Dielectric strength	D149	30KV/mm
5	Deformation under load. 6.9Mpa,50C, %	D621	3.5 - 6
6	Dissipetion factor	D150	Leas than 0.0005
7	Dielectric constant 1 KHz,	D150	2.0 - 2.1
8	Volume resistivity	D257	> 10^16
9	Surface resistivity	D257	10^17
10	Flexural modulus	D790	430-500Mpa
11	Compressibility	D1147	16-20%
12	Hardness, durometer	D2240	D53 - D60
13	Impact strength	D256	,16kg-cm/cm
14	Coefficient of linear thermal	D696	12.3 to 11.6
	expansion, per C. 30C to 80C, 101-5C		11.0



欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 株 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hslen,238 Talwan R.O.C.

MMCX PTFE

PROPERTY

Etern.	UNIT	TEST METHOD	PTFE
	wds	(ASTM)	(NATURE)
Apparent density	g/list	D-1457	260
pecific Cravity	g/cm²	D-792	2.15
Centile Strength	kg/cm²	D-638	315
Tengation	X	D-638	400
Deformation (Total) MD		D-621	-
60min. CD			-
24Hrs. CD	%	(23°C	
		140 kg/m²)	14.3
		[16.7
Permanent MD		1	7,9
Permanent MAD I			8.4
Defonsation MD		150°C	51.B
60min. CD		200 kg/cm²	
Flexural			
Strongth CD			57
(0.2% colliset)	hgs/cm²	D-790	
Flooural		1 1	
Modelus CD		1	3,500 ~ 6,300
Сопримения			77
Strength MID	L	D-695	.11
(0.2% offset) CD	kg/cm²	1 n-ess	_
Compressive MD			4,200
Modulus CD		l	
Hardoos	Discounter "D"	D-2240	55
Impact Strength	kg-ca/ca	D-256	15.8
Conflicient of Thermal	Koel/m.hr.*C	Cence Fitch	0.21
Conductivity			
Confficient of Linear			
Thermal Expansio			
25~90°C MD]	
ĆΩ			12.2
25~150°C MD	0.01m/C	D-696	12.6
25~200°C MD	OVAIDA C		_
25~200 C			13.7
25-260°C MD			-
ZD-200 CD			16.4
Water Adsorption	%	D-570	0
Conficient of		P=7 kg/cm²	-
Priction(Dynamic)		V=0.5 m/sec	
Confficient of		P=35 kg/cm²	0.05-0.08
Friction(Static)	I	1	I

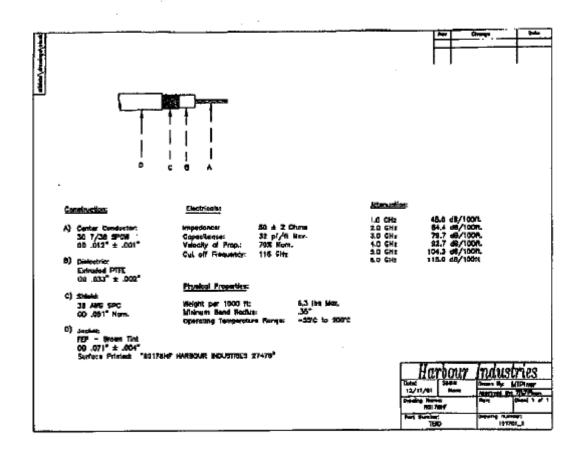


欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.





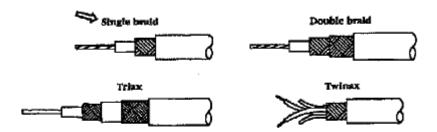
欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hslen,238 Taiwan R.O.C.

Cable M17/93-RG178

MIL-C-17 Coax Cable - QPL Approved



Hathour supplies a complete line of high temperature, high performance QPL appeared MIT-C-17 core cables for the military, commonical and industrial markets. The specific ME7 constructions referenced are manufactured in accordance with the sount recent revolution of the MILC-17 specification to ensure a quality proclass. The MILC-17 specification their accomplete physical and electrical characteristics for uses M17 part number, including diameter parameters, dielectric materials, build coverage, maximism attenuation, and VSWN levels.

YSWR Succept testing.

When selecting a 50 olim constrictions with YSWR requirements are recommended. Manufacturing and swrep usting calder with resource for YSWR constructions with resource for YSWR constructions specified in the elondral characteristics session.)

Procision PTFE Dielectrics

All of the high temperature, high performance cases cables listed have PTFF, dielectrics with high dielectric strength and low capacitance in proposition to the dielectric constant. All PTFE dielectrics are manufactured with inferences righter than the MIL-0-17 specification to casure uniformity of electrical characteristics, especially impedance, apercanjon and VSWR.

Tape arapped PTFE Constructions

Furbour situ manufactures PTPE tape wrapped cables to a previous revision of the MII-G-17 specification. These constructions car; withstand operating temperatures up to 250° C, reases 200° C, for F2P jacketed cables. Alon, PTPE tape wrapped cables are generally more flexible than

UL Approvate
All of Stationary H17 part numbers manufactured to the MIL-C-17 specification may be ordered with UL 1971 and PT4/PT6 approvals.





欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市柑匯街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Sholin Chulin City,Taipel Hsten,238 Taiwan R.O.C.

Cable M17/93-RG178

Harbour Industries MIL-C-17 Coaxial Cables

	 _		
Physi	 		
PURE!	 77.75	40.74	200

Lugaros	CHEIGUIDINGIE								
	Center	PIFE			Overall	Minimum	Operating	Weight	
M17 Sember	Encdoctor	Dietectric	Storld	Jackel	Бынесе	Receivmended	Temp (%f)	Rhs.:MFT	Comments
		Dometer				Bend Bladies			
M17/60-RG142	037 SCCS	.116"	S2C(2)	REP	185	1.0	-55.+200	43.0	
MITAR RG178	0120 (7//001) SCC3	.033	SPC-	760	. 1071	in.es	-55 +200	6.3	
M17/53-00001	.0/2017/00/7/\$003	.038*	INPO	PFA	4150.	0.4	35, 200	£â.	MI7/10-RS171
									'Available tamp, range
M17/94-R0179	.un 2017/1/00H1980CS	.063"	SPC	FBP	.100*	0.4"	-56 +200	10.0	
MIT/SS-R0180	01201(1/:0047)5003	.102*	SPC	FEP	.1411	0.7"	-55 +200	19.8	
M17/110-R0308	2008-2000 S	.146*	SPC	FEP	202	1.0"	-85+300	40.0	
M17/111-RG303	.0375005	.116*	SPC	FEP	.770	0.9*	-55 +300	31.0	
M1//1124633X	.097 SDCS	.185*	SP0(2)	FFP	.280*	1.4"	-55 4400	94.0	
M17/113-R3315	.02017(7/.00677)300	70ab. &	SPC	FEP	.096°	.0.57	-55-+200	12.2	
Mn7/127-R3399	J9("2100)(7)/40012")SC	.285	SPC(2)	FEP	.290	25	55 ₊ 200	315.0	
M17/128-RC400	32(18)0.48)7-000	118*	SPC(2)) EFF	195	1.0*	-85 +200	10,0	
M17/131-R0405		0337	SP(C(2))	FEP(2)	-5167	9.5 °	. 55 1200	15.0	Inugii M17/98/10178
M17/152-6001;	.e2017(7/.0057)5CC	3 .000	SP(\$2)	PEP	414	0,57,	65 +200	18.5	- Noobie shielded
									M17/113/AG316.
M17/158-00001	33327608	.115	SPC(2)	FEP	.190*	1.0*	-55 +200	\$6.D	Unswept M12/50-RGT4
M17/159-00001	.01207(7/.004")\$003	6 //S3*	SPĆ	FEP	.071	0.4"	-55 +200	63	Udanepi M17/99-RG17
M17/170-00001	.037'(6006	.156*	SPC	FEP	.170*	0.97	-55 +200	29.0	Uvenept M17/111 RGB
M17/172-00001	02017(97.00677)\$CE	S .066°	SPC	FEP	.056	0.5°	-55 +200	11.5	Urawaji M17/113-RG3
M17/174-00001	0947(7)00312*YECC5	285	SP ()(2)	FEP	.290	20	-55 +200	115.0	Unswept M17/127-RG3
M17/175-00001	02(1909.1/81)(1985).	.116	SPQ(2)	FEP	.390*	10"	-65 +XX	99.0	Linswept M1.7/128-984
M17/178-00002	.02351(10/.0051)6PA	(Z) DAZ	SPA	PFA	.129*	0.6*	-55 +209	18.0	Controlled Impedance
									beinax.
PTFE Tape Wrap	Self-sted RC Californ	-							
RB 187 A/U	JIMPO COLORS	.069	,arc	SU62	100	0.5	M-250	100	Florible, 200° 0. 1864
RG 186 A/U	agatiqi aqerjecci	S AND	SPC	2176	100	0.55	-55 +250	n q	Pleater, 250° C. rates
RB 195, A/U	crzyy/dowysocs	102	30	PIFE	.141	67	-65 ₋₁ 250-	.19.0	Finally, 200° (5. odds).
RG 195 A/U,	0120T(75.00 OSCCS	034	SPC	PIE	.000	0.5	- 55 +250	0.0	Pleasable, 250° G. Inted



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑属街二段 122 考 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.

Heat Shrink Tube Sumitube F32

1. SCOPE

THIS SPECIFICATION COVERS NEW SUMITUBE F12.

2. FEATURE

NEW SUMITUBE F32 IS AN IRRADIATED CROSSLINKED, THERMALLY-STABILIZED, FLAME-RETARDANT FLEXIBLE POLYOLEFIN HEAT SHRINKABLE TUBING. UNLIKE OTHER TYPICAL FLAME-RETARDANT TUBING, NEW SUMITUBE F32 IS FREE OF POLYBROMINATED BIPHENYL OXIDES (PBBOs), POLYBROMINATED BIPHENYL ETHERS (PBBEs), POLYBROMINATED EIPHENYLS (PBBs) AS FLAME-RETARDED CREMICALS.

3. RECOGNITION

NEW SUMITURE F32 IS UL-RECOGNIZED AND CSA-CERTIFIED AT 125 DEG. C , 600 Y WITH UL VW-1 AND CSA OFT FLAME-RETAKDANCY RATING .

	UL, 224	CSA
VALTAGE RATING	600V	600V
TEMPERATURE KATING	125 DEG. C	125 DEQ. C
CATALONO.	SUMITUBE F32	SUMITURE F31
FILE NO.	E-48762	LR84766

4. COLOR

STANDARDS COLORS; BLACK, WHITE, BROWN, KED, ORANGE, BLUE, GREEN, YELLOW, VIOLET, GRAY.

5. MARKING

FOLLOWING LETTERS SHOULD BE PRINTED ON THE SURFACE OF THE PRODUCTS
.SU VW-1 SUMI-PAC CSA HS X PO TUBING SUMITURE F32 125 C OFT -F. (\$126) 8P

6. STANDARD SIZES:

STANDARD SIZES SHALL BE SPECIFIED IN TABLE

7. PROPERTIES.

PROPERTIES SHALL BE AS SPECIFIED WITH TABLE

8. METOD OF MEASURING SIZES AND TESTING PROPERTIES

1.) INSIDE DIAMETER

INSIDE DIAMETER SHALL BE MEASURED BY A METAL GAGE ROD OR A METAL TAPE GAGE WHICH HAS INTERVAL OR GRADUATION .



欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.

Heat Shrink Tube Sumitube F32

IN CASE OF USING A GAGE ROD : READ THE VALUE OF THE MAXIMUM GAGE ROD WHICH SHALL PASS FREELY INTO THE TUBING WITHOUT EXPANDING THE TUBING .

IN CASE OF USING A TAPER GAGE: READ THE VALUE ON THE GAGE WHEN THE TUBING ISN'T EXPANDED BY INSERTION AND THERE IS NO VISIBLE SPACE BETWEEN THE TUBING AND THE TAPER GAGE.

- 2.) WALL THICKNESS WALL THICKNESS SHALL BE MEASURED BY A PIN-DIAL GAGE OR A MICROMETER AT SEVERAL POINTS.
- 3.) SHRINKABLE CONDITION AND LONGITUDINAL CHANGE SHRINKABLE CONDITION: UNRESTRICTED SHRINKAGE SHALL BE PLACED AT 150 DEG. C IN A CICULATING AIR OVEN FOR 5 MINUTES.

LONGITUDINAL SHRINKAGE: THE TUBING SHALL BE CUT IN ABOUT 100 MM AND MEASURED THE LENGTH, AFTER UNRESTRICTED SHRINKAGE (AFTER RECOVERED), THE LENGTH IS TO BE RE-MEASURED AND THE LONGITUDINAL SHRINKAGE SHALL BE CALCULATED FROM THE FOLLOWING FORMULA.

LENGTH AS SUPPLIED - LENGTH AFTER RECOVERED

LENGTH AS SUPPLIED

LENGTH AS SUPPLIED

 PROPERTIES SHALL BE TESTED IN ACCORDANCE WITH UL224 & CSA 22.2 NO. 198 TEST METHOD



欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipel Hsien,238 Taiwan R.O.C.

Heat Shrink Tube Sumitube F32



CERTIFICATION RECORD

The company named palow has been authorized by Canadian Standards Association to represent the products detect in this record as "CSA Certified" and to effix the CSA Mark • @ • to these products according to the larms and conditions of the CSA Service Agreement.

NCHER 084766x0000 March 26, 1994(Replaces: July 10, 1990)

CLASS 9032 01 (Re-examination Mervice)

SUMI-PAG ELECTRO-CHEXTCAL CORP. 4th Fl., Facific Commercial Bldg. 285, Chung Maiac E. Rd., Sec 4 Taipai, Taiwan FACTORY No 15, Industrial 5th Rd. Hain-Chu, Enlarged Industrial Park 5th Lin, Feng-Shan Chun Hukao Reiang, Hain-Chu Hein Taiwan

INSULATING DEVICES AND MATERIALS - Insulating Tubing and Sleaving

- Mex temperature racing: 1.25C
- Mex voltage rating: 600v
 "SUMITURE P2" and "SUMITURE F32", flaxible heat-shrinkable irradiated cross-linked polyolefin tubing (Class I), in trade sizes 3/64 in to 1 in and 1,0mm to 26mm. OFT.
- Hax temperature rating:
- Max temperature lating: 1500.

 Max voltage rating: 1500.

 Mox voltage rating: 1500.

 "SUMITUBE P4", flexible heat-shrinkable irradiated cross-linked polyelefin tubing (Class I), in trade sizes 3/64 in to 1 in and 1.0mm to 25cm, OFT.

 Note: Above tubing approved in all colours except clear and transperent.



欣格科技股份有限公司

Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipei Hsien,238 Taiwan R.O.C.

Heat Shrink Tube Sumitube F32

YDPU2	November 4, 1984
Component - Extruded	Tubing, Electrical

SUMITOMO EI IRRADIATE	E48762 (S) (C-cont. from B card)					
irradiated flexible	beet strinks	ble polysie	fin.			
Sumitube F32	600	125	t	+		Yes
826 or	600	125	Í	÷		Yes
Sumitube B2			•		_	146
Sumitabe F5	600	125				Yes
939 or	600	105	l or II 6	.		Yes
Surpitube F(Z)	-	,,,,		-	_	162
940 or	600	125		+		Yes
Sumitube F2(Z)	400		•	•	_	1 60
942 or	300	125				
	300	123	,	+	_	Yes
Sumitube F4(2)	***	125		_		
958 or 5M12	600	125	į.	+		Yes
863 or SM23	600	125	1 .	+		Yes
938 or	600	106	2	+	_	Yes
Sumitube F(TZ)			_	-		

Report: February 16, 1973.

Replaces E48762C dated July 20, 1994.
390139001 N3228 Underwriters Laboratories Inc.*

(Cont. on D card) 0(V0010143



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795 5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Taipet Halen,238 Taiwan R.O.C.

Heat Shrink Tube Sumitube F32

ABS Characteristics

POLYLAC®

13 12	冰塘岩	55 CC		1	Q#Æ (Gen	eral Purpo	ose)	
Typical Properties	ASTM Te	se Units	PA-707	PA-757	74.717C	PA-727	PA-747	PA-709
al 漢沙鬼 Tensile Strength	D-638	kg/cm² (Ho/fn²)	500 (7,090)	460 (6.800)	450 (6.380)	485 (6,870)	385 (5.470)	400 (5,670)
近仲津 Tensile Elongation	D-63R	*	15	20	25	20	30	40
श्रामध्यास्य Modulus	D-790	10° kg /cm° (10° k /m²)	2.9	2.7 (3-8)	2.5 (3.5)	2.7 (3.8)	2,2 (3-1)	2,3 (3.2)
雪田雄唐 Flexural Strength	n-790	kg/cm² (fb /in²)	860 (12.200)	795 (11,200)	720 (10,200)	087 (1-1)	620 (8.800)	640 (9,070)
海思··美度 Rockwell-Hardness	D-785		R-116	R-116	R-(15	R-110	¥-108	3-102
IZOD は電視機		148, (UF-IPAJU) 148-critycius	14 (2.6)	20 (3.7)	28 (5.2)	26 (4.8)	41 (7.5)	45 (6.4)
Steength (Notrhed)	D-256	iyi" (ic-ibrin)	14 {2.6}	18 (3.3)	25 (4.6)	23 (4.2)	36 (0.6)	40 (7.4)
#3: fl:#8 Vicat Softening Temp	D-1525	(Y)	105 (221)	105 (221)	104 (219)	105 (221)	103 (217)	(321)
熱策形温度 Heat Divionion Temp	D-648 (anneaked (anneaked) 'C (7)	99(210) BS(190)	99(210) 80(190)	96(208) 87(189)	99(210) 87(190)	99(207) 86(167)	99(208) 88(190)
H.H Specific Gravity	D-79Z	23/23 °C	1.06	1,05	1,04	1.04	1.03	1.03
流動係數	D-1238	200 °C × 5kg g/10min(Cond.G)	1.9	1,2	1,4	1.8	1.2	0.5
Mell Flow Index	150-11331	\$100mm \$50,CX1062	50	22	14	19	13	5
स्त्रभग्नमः विकासकोशीस्		No No. 536070 UL & C-UL	1/16"HB	1/16"HB	1/16788	1/16°H8	1/16'H8	1/16768
सर	345 12		高光涯性 高剛性	為別性 英光波性	一般射出 成型用	电线器	超离功度 制出成型用	经高额率线度 押包用
Product	Descrip	tion	High Gloss High Righd	High Gloss Medium Impact	Medium Impact	Electro- Plating	High Impact	Super Impact

以上特殊保值的 ABTM 特殊为益此亦使素物表明对称,使供多等用,全BO 试验方法



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6,Laine 122, Sec 2,Ganyun St, Shulin Chulin City,Talpei Hsien,238 Taiwan R.O.C.

TABLE 1, STANDARD SIZE

manager and a

·	DIRECTOR VIEW DESIGNATION AND STREET	J_w
D -		

TRADE	AS SUPPLIED (MM)		AFTER RECOVERED (NIA)		STANDARDS	
SIZE	INSIDE DIAMETER	NOSL WALL	INSIDE DIAMETER	WALL THICKNESS	LENGTH	
(METRIC)	D	TRICKNESS	đ (MAX)	W (MIN)	CUT(M)	SPOOLO
1*0.2	1.30=0.30	0.2	0.50	0.33	1	200
1.5*0.2	2.00±0.30	0.2	0.75	0.36	1	200
2*0.2	2.50±0.30	0.2	1.00	8.44	1	200
2.5*0.25	3.00±0.30	0.25	1.25	0.44	1	200
3+0.25	3.50±0.30	0.25	1.50	0.44	ı	200
3.5*0,25	4.00±0.30	0.25	1.75	0.44	3	200
4*0.25	4.50±0.30	0.25	2,00	0.44	1	200
5*0.25	5.40±0.30	0.25	2.50	D.56	1	100
6*0.25	6.40±0,40	0.25	3.00	0.56	1	100
7*0.25	7,49±0.40	0.25	3,50	0.56	1	50
8*0.25	8.49±0.40	0.25	4.00	0.56	1	50
9*0.25	9,40±0,40	0.25	4.50	0.56	1	50
10*0.25	10.4±0.40	0.25	5,00	0.56	.1	50
11*0.25	11,4±0,40	0.25	5,50	0.56	1	50
12*0.25	12,4±0,40	0.25	6.00	0.56	1	50
13*0.30	13.4±0,40	0.30	6.50	0.69	1	50
14*0.30	14,510,40	0.30	7.00	0.69	1	50
15*9.30	15,5±0,40	0.30	7,50	0.69	1	50
16*0.30	16.8±0.50	0.30	8.00	0.69	1	30
18*0.35	18.7±0.50	0.35	9.00	0.77	1	50
20*035	21,2±0,60	0.35	10.00	0.77	1	5D
22*0.40	23,2±0.60	0.40	11.00	9.77	1	50
25*9.40	26.140.80	0.40	12.50	0.87	1	50
28*0.50	29.0±1.00	0.50	14.00	0.87	1	50
30+0.50	32.0±1.00	0.50	15.00	0.87	-;-	50

*LONGITUDINAL CHANGE (5±5)%



欣格科技股份有限公司 Antenniques Co.,Ltd

台北縣樹林市柑園街二段 122 巷 6 號 5 樓 TEL: 02-2668-5793 FAX: 02-2668-5795

5F,No.6, Laine 122, Sec 2,Ganyun St, Shulin Chulin City, Taipei Hsien, 238 Taiwan R.O.C.