HAI Zigbee Module

ID Label Material Description

The label specified to display the FCC information is part number LAT-47-707-10 manufactured by Brady.

This label is composed of material B707. B-707 is a UL Recognized Component and CSA Accepted material when printed with designated laser printer toners.

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate -Adhesive -Total	0.0026 inch (0.0660 mm) 0.0020 inch (0.0508 mm) 0.0046 inch (0.1168 mm)
Adhesion to: -Stainless Steel -Textured ABS -Polypropylene -Painted Enamel -Powder Coated	ASTM D 1000 20 minute dwell 24 hour dwell 20 minute dwell 24 hour dwell 20 minute dwell 24 hour dwell 20 minute dwell 24 hour dwell 20 minute dwell 24 hour dwell	53 oz/in (58 N/100 mm) 65 oz/in (71 N/100 mm) 16 oz/in (18 N/100 mm) 17 oz/in (19 N/100 mm) 29 oz/in (32 N/100 mm) 32 oz/in (35 N/100 mm) 58 oz/in (63 N/100 mm) 72 oz/in (79 N/100 mm) 42 oz/in (46 N/100 mm) 52 oz/in (57 N/100 mm)
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	37 oz (1150 g)
Drop Shear	PSTC-7 (except use 1/2" x 1" sample)	42 hours
Tensile Strength and Elongation	ASTM D 1000 -Machine Direction -Cross Direction	39 lbs/in (683 N/100 mm), 77% 53 lbs/in (928 N/100 mm), 65%
Dielectric Strength	ASTM D 1000	7500 volts

Performance Properties tested on B-707. Samples laser printed with a Hewlett Packard LaserJet III.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
High Service Temperature	30 days at 267 °F (130°C)	No visible effect
Low Service Temperature	30 days at -40°F (-40°C)	No visible effect
Humidity Resistance	30 days at 100°F (37°C), 95% R.H.	No visible effect
UV Light Resistance	30 days in UV Sunlighter™ 100	No visible effect
Weatherability	ASTM G155, Cycle 1 30 days in Xenon Arc Weatherometer	No visible effect
Salt Fog Resistance	ASTM B 117 30 days in 5% salt fog solution chamber	No visible effect

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE

Samples printed with a Hewlett Packard LaserJet III printer. Test was conducted at room temperature after 24 hour dwell. Testing consisted of 5 cycles of 10 minute immersions in the specified chemical reagent followed by 30 minute recovery periods. Ten cotton swab rubs wetted in the specified reagent after final immersion.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	APPEARANCE OF LABEL STOCK	APPEARANCE OF LASER PRINTING
Methyl Ethyl Ketone	Slight adhesive ooze	Printing removed
1,1,1-Trichloroethane	Slight adhesive ooze	Printing removed
Toluene	Slight adhesive ooze	Printing removed
Freon® TMS	Slight adhesive ooze	No visible effect
Isopropyl Alcohol	No visible effect	No visible effect
Mineral Spirits	No visible effect	No visible effect
JP-4 Jet Fuel	No visible effect	No visible effect
ASTM #3 Oil	No visible effect	No visible effect
Mil 5606 Oil	No visible effect	No visible effect
Skydrol® 500B-4	No visible effect	Printing removed

Super Agitene®	No visible effect	No visible effect
Deionized Water	No visible effect	No visible effect
3% Alconox® Detergent	No visible effect	No visible effect
10% Sodium Hydroxide Solution	No visible effect	No visible effect
10% Sulfuric Acid Solution	No visible effect	No visible effect