Established 1980
www.wincoID.com
Winco Identification Corp.
237 Main Dunstable Road • Nashua, NH 03062
P: 800.325.5260, 603.598.1553 • F: 603.598.3488

TECHNICAL DATA SHEET

TT401 Polyimide

DESCRIPTION:	This material is coated with a permanent pressure sensitive acrylic adhesive and a high opacity, medium gloss white topcoat specifically designed for thermal transfer printing.
USES:	Designed for barcode or alphanumeric identification of printed circuit boards or related electronic components. It is the ideal label to withstand mixed circuit board processes on either the top or bottom side of the board. It has excellent resistance to harsh fluxes, cleaners, saponifiers, and wave solder environments. Resists all commonly employed methods of cleaning.
FACE STOCK:	.002 (2.0 mils) thickness
ADHESIVE:	2 mil thickness, thermoset acrylic pressure sensitive adhesive. Used for IR Reflow & PCB manufacturing processes.
LINER:	50 lb. White
APPLY TEMPERATURE:	50º F (10º C)
SHELF LIFE	1 Year at 70° f and 40-50% relative humidity
RECOMMENDED RIBBONS(S):	8700 series or 6300
RoHS	Material is RoHS Compliant

… Continued On Next Page

Established 1980
www.wincoID.com
Winco Identification Corp.
237 Main Dunstable Road • Nashua, NH 03062
P: 800.325.5260, 603.598.1553 • F: 603.598.3488

Adhesive thickness	ASTM D 1000	0.00200 in.
180 degree peel adhesion	ASTM D 1000	24 hour dwell 35 oz/in (39 N/100 mm) 72 hour dwell 50 oz/in (55 N/100 mm)
Coated film thickness	ASTM D 1000	0.0024-.0027 in. (0.061-0.069 mm)
Flammability	ASTM D 1000	Average Burn Time< 2 seconds
Dielectric Strength	ASTM D 1000	> 8 kv

PERFORMANCE PROPERTIES	TYPICAL RESULTS
Short Term High Service Temperature	5 minutes at 500°F (260°C); No visible effect to label at 260°C; Label discolors slightly at 270°C; 300°C label moderately discolors. Label remains functional.
Up to 2 hours at 338°F (170°C)	No visible effect to label at 170°C; label discolors slightly at 190°C, moderately at 220°C; severely at 260°C. Label remains functional.
Long Term High Service Temperature	1000 hours at 212°F (100°C); No visible effect to label at 100°C; Label discolors slightly at 120°C; moderately at 145°C. Label remains functional.

CHEMICAL	**TEST**	PCS
Control	260°C heat, 5 minutes	99%
Trichloroethane,	74°C, 10 minutes	98%
Aquanox SSA 30% aqueous,	40-50°C, 10 minutes	98%
RE-ENTRY® KNI 2000 Terpene	40-50°C, 10 minutes	98%
BIOACT® EC-7R Terpene	40-45°C, 10 minutes	98%
Alpha Metals Inc. 2110 Saponifier 6% aqueous	65-70°C, 10 minutes	98%
Isopropanol 99%,	82°C, 10 minutes	99%
Deionized Water,	100°C, 10 minutes	99%

** Polyimide, like all other pressure-sensitive materials, should be tested under the actual end use conditions to determine suitability for the intended application.