



Technical Data Sheet

TT724

THERMAL TRANSFER GLOSSY SILVER POLYESTER FILM

GENERAL DESCRIPTION: TT724 is a topcoated glossy silver polyester film. It is coated with an aggressive heavy coat weight permanent acrylic adhesive and backed with a 55# Kraft release liner.

USES: Ideal for marking electronic components and the topside of through-hole printed circuit boards. TT724 is UL/CSA recognized with the material vendor. Other applications include rating plates, nameplates, and industrial bar code applications requiring durability. This high-performance material is designed for applications requiring excellent solvent and scratch resistance. This adhesive is designed for smooth and slightly textured surfaces and low energy substrates.

FEATURES: Indoor/outdoor, smudge- and abrasion-resistant thermal images using resin-based ribbons, dimensionally stable film (no shrinkage), high-performance adhesive. The heavy coat weight of adhesive is excellent for textured surfaces. UL/CSA with the vendor and TTRR-C, TTRR-S and TTRR-V ribbons.

RECOGNITION(S): RoHS Directive 2002/95/EC Compliant

RECOMMENDED RIBBON: Thermal Transfer Resin Ribbon

PHYSICAL PROPERTIES:

TEST METHODS	CONVENTIONAL UNITS	S.I. UNITS
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THICKNESS:	Film	2.0 mils	51 microns
	Adhesive	1.8 mils	46 microns
	Liner (55#)	3.2 mils	81 microns
	Total	7.0 mils	178 microns

ADHESIVE PERFORMANCE:	Stainless Steel	96 oz/in	1050 N/m
	Polycarbonate	94 oz/in	1030 N/m
	HD Polyethylene	58 oz/in	630 N/m
	LD Polyethylene	56 oz/in	610 N/m
	Polypropylene	83 oz/in	910 N/m
	Finely Textured	52 oz/in	570 N/m
	Powder Coat Paint		

ADHESIVE PERFORMANCE AFTER A 72 HOUR DWELL

WARRANTY
 "Our products are sold with the understanding that the buyer will test them in actual use and determine for himself their adaptability to his intended uses. We warrant to the buyer that our products are free from defects in material and workmanship. This warranty is in lieu of any other warranty, expressed or implied"

SERVICE TEMPERATURE: -40°F - 300°F -40°C - 149°C

MINIMUM APPLICATION TEMPERATURE: 50°F 10°C

EXTERIOR DURABILITY: 2 yrs. outdoor exposure Label Stock: No Effect
Label Stock with TTRR-D Ribbon printing: No Effect

CHEMICAL RESISTANCE:

Test should be conducted at room temperature after 24 hour dwell. Testing should consist of five cycles of 10 minute immersions in the specified chemical reagent followed by 30 minute recovery periods. Cotton swab rub prior to final immersion.

CHEMICAL REAGENT: **LABEL STOCK:** **PRINTING:** **PRINTING:**
(without printing) (using TTRR-D ribbon) (cotton swab rub)

Household Cleaners	No effect	No effect	No effect
Mild Acid	No effect	No effect	No effect
Oil	No effect	No effect	No effect
Water	No effect	No effect	No effect
Isopropyl Alcohol	No effect	No effect	No effect
Mineral Spirits	No effect	No effect	No effect
Toluene	No effect	No effect	No effect

STORAGE STABILITY Product should be stored at 70°F (21°C) and 40-50% relative humidity to ensure optimal performance.

SHELF LIFE: 2 years @ proper storage conditions.