IDENTCO®

Technical Data Sheet

TT700

THERMAL TRANSFER GLOSSY WHITE POLYESTER FILM

GENERAL DESCRIPTION: TT700 is a topcoated glossy white polyester film. It is coated with an aggressive permanent acrylic adhesive and backed with a 50# Kraft release liner.

USES: Ideal for nameplates or serial identification labels on finished products. TT700 is UL/CSA recognized with certain thermal transfer resin ribbons. Other applications include rating plates, property identification, electronic component marketing and industrial bar code applications requiring durability. Excellent material to be used on the topside of a circuit board where heat exposure is limited. This high-performance material is designed for applications requiring excellent solvent and scratch resistance.

FEATURES: Indoor/outdoor, smudge- and abrasion-resistant thermal images using resin-based ribbons, dimensionally stable film (no shrinkage), high-performance adhesive. Topcoat and ribbon combinations offer excellent scratch and solvent resistance. TT700 does have some limited static dissipating properties.

RECOGNITION(S): UL-MH16873 CSA- LS-89882-6 RoHS Directive 2002/95/EC Compliant

RECOMMENDED RIBBON: Thermal Transfer Resin Ribbon

PHYSICAL PROPERTIES:	**TEST METHODS**	**CONVENTIONAL UNITS**	**S.I. UNITS**
THICKNESS:	Film	2.0 mils	50.8 microns
	Adhesive	0.8-0.9 mils	20-23 microns
	Liner (50#)	3.0 mils	75 microns
	Total	5.8-5.9 mils	145.8-148.8 microns
ADHESIVE PERFORMANCE:	Stainless Steel	67 oz/in	737 N/m
	Acrylic	71 oz/in	781 N/m
	Polypropylene	48 oz/in	528 N/m
	Glass	69 oz/in	759 N/m

ADHESIVE PERFORMANCE AFTER A 72 HOUR DWELL

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:** (without printing)	**PRINTING:** (using TTRR-D ribbon)	**PRINTING:** (cotton swab rub)
Household Cleaners	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
Mild Acid	No effect	No effect	No effect
Mineral Spirits	No effect	No effect	No effect
Toluene	No effect	Print removed	Print removed

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.