IDENTCO®

Technical Data Sheet

TT730

THERMAL TRANSFER GLOSSY SILVER POLYESTER FILM

GENERAL DESCRIPTION: TT730 is a topcoated glossy silver 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. TT730 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. 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.

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#)	3.1 mils	78.7 microns
	Total	5.9-6.0 mils	149.50-152.5 microns
ADHESIVE PERFORMANCE:	Stainless Steel	55 oz/in	605 N/m
	Acrylic	68 oz/in	748 N/m
	Polypropylene	12 oz/in	132 N/m
	Glass	56 oz/in	616 N/m
	Polycarbonate	58 oz/in	638 N/m
	HDPE	32 oz/in	407 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.