



Technical Data Sheet

TT773

THERMAL TRANSFER MATTE WHITE POLYPROPYLENE FILM

GENERAL DESCRIPTION:	TT773 is a topcoated matte white polypropylene film. It is coated with an emulsion acrylic adhesive and backed with a 50# Kraft release liner.		
USES:	Ideal for marking electronic components where the heat requirement of polyester is not required. Other applications include rating plates, nameplates, and industrial bar code applications requiring durability. This material can be used on boxes and applications that require semi conformability.		
FEATURES:	Indoor only. This material offers excellent smudge- and abrasion-resistant thermal images using resin-based ribbons. There could be some smearing of the thermal transfer print when printed with a TTR ribbon. The resin/wax ribbon, TTRR-A, offers better smudge and abrasion resistance than the TTR ribbon. TT773 offers good moisture and chemical resistance. Excellent choice for auto applications. This adhesive offer high initial tack and excellent long-term adhesion.		
RECOGNITION(S):	UL-MH16873	RoHS Directive 2002/95/EC Compliant	
RECOMMENDED RIBBON:	Thermal Transfer wax Ribbon, Thermal Transfer Wax/Resin Ribbon, Thermal Transfer Resin Ribbon		
PHYSICAL PROPERTIES:	TEST METHODS	CONVENTIONAL UNITS	S.I. UNITS
THICKNESS:	Film	3.0 mils	76.2microns
	Adhesive	0.8 mils	20.3 microns
	Liner (50#)	3.2 mils	81 microns
	Total	7.0 mils	177.5 microns
ADHESIVE PERFORMANCE:	Stainless Steel	68 oz/in	738 N/m
	Aluminum	54 oz/in	585 N/m
	Polyester Paint	64 oz/in	698 N/m
	Polypropylene	32 oz/in	350 N/m

ADHESIVE PERFORMANCE AFTER A 72 HOUR DWELL, 180° PEEL

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 -176°F -40°C -80°C

MINIMUM APPLICATION TEMPERATURE: 50°F 10°C

EXTERIOR DURABILITY: Indoor Only

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-A ribbon) (cotton swab rub)

Household Cleaners	No effect	No effect	No effect
Water	No effect	No effect	No effect
Isopropyl Alcohol	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.