



Technical Data Sheet

TT705A

THERMAL TRANSFER GLOSSY WHITE POLYPROPYLENE FILM

GENERAL DESCRIPTION: TT705A is a topcoated glossy white polypropylene film. It is coated with an emulsion acrylic adhesive and backed with a 55# Kraft release liner.

USES: Ideal for marking electronic components where the heat requirement of polyester is not required. TT705A is UL/CSA pending with the material manufacture. 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.

FEATURES: Indoor only. This material offers excellent smudge- and abrasion-resistant thermal images using resin-based ribbons, dimensionally stable film (no shrinkage), high-performance adhesive. This rigidity of this material is an excellent choice for auto applications

RECOGNITION(S): UL/CSA Pending with the material manufacture
RoHS Directive 2002/95/EC Compliant

RECOMMENDED RIBBON: Thermal Transfer Resin Ribbon

PHYSICAL PROPERTIES: **TEST METHODS** **CONVENTIONAL UNITS** **S.I. UNITS**

THICKNESS:	Film	2.6 mils	66 microns
	Adhesive	0.9 mils	23 microns
	Liner (55#)	3.2 mils	81 microns
	Total	6.7 mils	170 microns

ADHESIVE PERFORMANCE:	Stainless Steel	36 oz/in	390 N/m
	Polycarbonate	41 oz/in	450 N/m
	Glass	33 oz/in	360 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 -175°F -40°C -79°C
 Can withstand up to 250°F (121°C) for up to 24 hours
 with no change in the label material

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-D 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.