



# Technical Data Sheet

## TT740

### THERMAL TRANSFER MATTE SILVER POLYESTER FILM

**GENERAL DESCRIPTION:** TT740 is a topcoated matte silver polyester film. It is coated with an aggressive permanent acrylic adhesive and backed with a 55# Kraft release liner.

**USES:** Ideal for nameplates or serial identification labels on finished products. TT740 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
<b>THICKNESS:</b>	Film	3.3 mils	84 microns
	Adhesive	0.8 mils	20 microns
	Liner (55#)	3.2 mils	81 microns
	Total	7.3 mils	185 microns
<b>ADHESIVE PERFORMANCE:</b>	Stainless Steel	44 oz/in	480 N/m
	Polycarbonate	49 oz/in	530 N/m
	Polypropylene	44 oz/in	480 N/m

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  
 100% Humidity- 100°F (38°C) No Change

**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
Oil @ 250°F (121°C)	Slight Change	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.