



Technical Data Sheet

TT791

THERMAL TRANSFER GLOSSY CLEAR POLYESTER OVERLAMINATING FILM

GENERAL DESCRIPTION: TT791 is a topcoated glossy clear polyester overlaminating film. It is coated with an aggressive permanent acrylic adhesive and backed with a 44# Natural Kraft release liner.

USES: This material is used to overlaminate pre-printed finished product labels or floodcoated work in progress labels. Other applications include overlaminated rating plates, property identification, electronic component marketing where the pre-printed information is protected, but the variable information can be thermal transfer printed on the overlam. 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. Product can only be used as an overlam and cannot be used in a fanfolded application.

RECOGNITION(S): RoHS Directive 2002/95/EC Compliant

RECOMMENDED RIBBON: Thermal Transfer Resin Ribbon

PHYSICAL PROPERTIES:	TEST METHODS	CONVENTIONAL	S.I. UNITS
		UNITS	
THICKNESS:	Film	1.0 mils	25.4 microns
	Adhesive	0.8-0.9 mils	20-23 microns
	Liner (44#)	3.0 mils	76.2 microns
	Total	4.8-4.9 mils	121.6-124.6 microns
ADHESIVE PERFORMANCE:	Stainless Steel	41 oz/in	451 N/m
	Acrylic	44 oz/in	484 N/m
	Glass	39 oz/in	429 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

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-S ribbon) (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	Slight edge lift	No effect	No effect
Toluene	Slight edge lift	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.