

Thermal Transfer Printable Polyester

2 mil MATTE WHITE

Features and Benefits

- 2.0 mil matte topcoated white polyester provides consistent surface smoothness, excellent dimensional stability and endurance to varying temperatures
- Matte topcoated film designed for cross-technology printability via impact, laser, electron beam, wax, resin and wax/resin thermal transfer (we recommend evaluating the intended ribbon and ink system for compatibility with the product under the application conditions)
- Topcoat provides excellent resistance to chemicals, moisture, smudging and scratching
- Unique matte topcoat allows for greater than four times as many die revolutions before retooling compared with competing label materials
- Permanent pressure-sensitive acrylic adhesive bonds well to low- and high-surface energy plastics, metal and paint
- High shear and high peel adhesive resists cold flow and oozing
- Backed with a 50 lb. bleached kraft release liner ideal for roll-form converting
- Liner is suitable for optical sensing on most thermal transfer printers
- Material is UL recognized under UL 969 - UL File No. PGJI2.MH16635 Printing Materials - Component

Applications and Uses

Suitable for a variety of durable labeling applications such as:

- Compliance Labels
- Warning and Instructional Labels
- Nameplates
- Brand Identity Labels

PRODUCT DATA

VALUE

TEST METHOD

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	Film 2.4 (61) +/- 10% Adhesive 0.8-0.9 (20-23) +/- 0.1 (3) Liner 3.1 (79) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)
Dimensional Stability (%)	No Shrinkage Observed	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)

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Adhesion Properties Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In (N/m)	
ABS	60 (660)	
Acrylic	68 (748)	
Acrylic Powder Paint	59 (649)	
Aluminum	54 (594)	
Epoxy Powder Paint	67 (737)	
Glass	56 (616)	
HDPE	32 (352)	
Painted Metal	57 (617)	
Polycarbonate	58 (638)	
Polyester	87 (957)	
Polyester Powder Paint	55 (605)	
Polypropylene	12 (132)	
Polyurethane Powder Paint	72 (792)	
Stainless Steel	55 (605)	
Styrene	54 (594)	
Expected Shear	50 hours at room temperature	ASTM D 3654 Method A 1 hr. dwell, 1 sq. inc surface, 4 lb. load
Tack	360 (gm/sq cm)	ASTM D 2979
Expected Exterior Life	Two years	
Service Temperature Range	-40°F to 302°F (-40°C to 150°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years when stored at 70°F and (21°C) and 50% relative humidity	