

# Thermal Transfer Printable Polyester 2 mil GLOSS SILVER

## Features and Benefits

- 2.0 mil silver gloss polyester with gloss topcoat provides consistent surface smoothness, excellent dimensional stability and endurance to varying temperatures
- Topcoat resists smudging and abrasion when printed with resin and wax/resin thermal transfer ribbons
- Topcoat is compatible with color and black resin and wax/resin thermal transfer ribbons (we recommend evaluating the intended ribbon and ink system for compatibility with the product under the application conditions)
- Static dissipating additives in the topcoat reduce the risk of print voids due to static generated at the print head
- Permanent acrylic pressure-sensitive adhesive bonds well to low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate and fiberglass
- 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
- UL recognized under UL 969 - UL File No. PGJI2.MH16635 Printing Materials - Component
- CUL recognized under UL File No. PGJI8.MH16635 - Printing Materials Certified for Canada - Component - under CAN/CSA standard C22.2, No. 0.15 CSA accepted with specific thermal transfer ribbon(s) and printer(s) under CSA standard C22.2 No. 0.15-95

## 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
<b>Physical Properties</b>		
Thickness (Mils[microns])	Film 2.0 (51) +/- 10% Adhesive .8-.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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PRODUCT DATA	VALUE	TEST METHOD
<b>Adhesion Properties</b>		
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)	
Ceramic Tile	37 (407)	
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)	
<b>Expected Shear</b>	50 hours at room temperature	ASTM D 3654 Method A 1 hr. dwell, 1 sq. inc surface, 4 lb. load
<b>Tack</b>	360 (gm/sq cm)	ASTM D 2979
<b>Expected Exterior Life</b>	Two years	
<b>Service Temperature Range</b>	-40°F to 302°F (-40°C to 150°C)	
<b>Minimum Application Temperature</b>	50°F (10°C)	
<b>Storage Stability</b>	Two years when stored at 70°F and (21°C) and 50% relative humidity	