ThermlFilm Select® 20970 TTR(W/R&R) 2 Mil Gloss Topcoat Clear Polyester Permanent Adhesive UL Recognized

Durable Goods and Equipment Labeling Gloss Topcoated Clear Polyester - Thermal Transfer Printable

FLX000466

Benefits

- 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
- Full color static and variable printing in one pass together with UL PGJI2 recognition when printed on a Jetrion 4000 series UV Inkjet System
- CSA accepted under CSA File No. 99214
- View ThermlFilm Select® 20970 Yellow Card

Features

- 2.0 mil gloss topcoated clear polyester 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
- Acrylic adhesive offers high initial tack, high shear, and high ultimate bond to a wide variety of rough textured surfaces, including low-surface energy plastics and painted metal
- 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

Additional Details

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	7.61	
Film	2.0 +/- 10 %	51
Adhesive	1.9-2.1 +/- 0.1	48-53 +/- 3
Liner	3.1 +/- 10 %	79

Test Method: ASTM D 3652 (Modified for use with non-tape product)

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Stainless Steel	104	1144
Glass	118	1298
Polypropylene	22	242
Acrylic	112	1232

Test Method: ASTM D 903 (Modified for 72 hr dwell time)

Additional Properties	Value	Test Method
Expected Shear (hours)	100	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (g)	1520	ASTM D 2979
Expected Exterior Life	Two years	
Additional Information		
Service Temperature	-40°F to 302°F (-40°C to 150°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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