

Durable Goods and Equipment Labeling

Gloss Topcoated White Polyester - Thermal Transfer Printable

End Use Applications:

*Compliance Labels
Warning & Instructional Labels
Nameplates
Brand Identity Labels*

For Durable Goods including:

*Outdoor Power Equipment
Power Tools
Appliances
Electronics
Recreational Vehicles
Sporting Equipment
Industrial Equipment...and more*

For Transportation including:

*Automotive
Aerospace
Heavy Equipment*

For more information on FLEXcon's pressure-sensitive film solutions for Durable Goods and Equipment Labeling, contact your local Sales Representative or our Product Identification Business Team at (508) 885-8300.

Product ID #: FLX021761



Product:

**Flexcon®
ThermiFilm Select® 21980**

Benefits:

- 2.0 mil gloss topcoated white 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
- Backed with a 50 lb. semi-bleached kraft release liner that is Quilon®* coated to prevent label pick-off
- 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
- Liner is suitable for optical sensing on most thermal transfer printers
- UL recognized under UL 969 - UL File No. PGJ12.MH16635 Printing Materials - Component
- CUL recognized under UL File No. PGJ18.MH16635 - Printing Materials Certified for Canada - Component - under CAN/CSA standard C22.2, No. 0.15
- CSA accepted under CSA File No. 99214

*Quilon® is a registered trademark of Zaclon LLC

Flexcon® ThermiFilm Select® 21980

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	Film	2.0 (51) +/- 10%
	Adhesive	1.4-1.5 (36-38) +/- 0.1 (3)
	Liner	3.1 (79) +/- 10%
Dimensional Stability (%)	No Shrinkage Observed	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In (N/m)	
ABS	87 (957)	
Acrylic	94 (1034)	
Acrylic Powder Paint	86 (946)	
Aluminum	98 (1078)	
Epoxy Powder Paint	91 (1001)	
Glass	104 (1144)	
HDPE	35 (385)	
Painted Metal	84 (924)	
Polycarbonate	99 (1089)	
Polyester	86 (946)	
Polyester Powder Paint	78 (858)	
Polypropylene	29 (319)	
Polyurethane Powder Paint	93 (963)	
Stainless Steel	90 (990)	
Expected Shear		
Room Temp (hours)	75	
Tack (gm/sq cm)	1680	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 (21°C) and 50% relative humidity	

Product Performance and Suitability

All of the descriptive information, the typical performance data, and recommendations for the use of Flexcon products shall be used only as a guide and do not reflect the specification or specification range for any particular property of the product. Furnishing such information is merely an attempt to assist you after you have indicated your contemplated use and shall in no event constitute a warranty of any kind by Flexcon. All purchasers of Flexcon products shall be responsible for independently determining the suitability of the material for the purpose for which it is purchased. No distributor, salesman, or representative of Flexcon is authorized to give any warranty, guaranty, or make any representation in addition or contrary to the above.

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