

Durable Goods and Equipment Labeling

Matte 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 #: FLX000295



Product:

**Flexcon®
CompuCal® Excel™ 21450**

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)
- Unique matte topcoat allows for greater than four times as many die revolutions before retooling compared with competing label materials
- Topcoat provides excellent resistance to chemicals, moisture, smudging and scratching
- Versatile, general-purpose permanent pressure-sensitive acrylic adhesive bonds well to a variety of surfaces including low- and high-surface energy plastics
- Adhesive offers good tack and chemical resistance
- 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. PGJ12.MH16635 Printing Materials - Component

Flexcon® CompuCal® Excel™ 21450

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	MTC & Film	2.1 (53) +/- 10%
	Adhesive	0.8-0.9 (20-23) +/- 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	78 (858)	
Acrylic	74 (814)	
Acrylic Powder Paint	64 (704)	
Aluminum	60 (660)	
Epoxy Powder Paint	73 (803)	
Fiberglass	41 (451)	
Glass	66 (726)	
HDPE	45 (745)	
Painted Metal	64 (704)	
Polyester	50 (550)	
Polyester Powder Paint	68 (748)	
Polypropylene	8 (88)	
Polyurethane Powder Paint	74 (814)	
Stainless Steel	70 (770)	
Styrene	65 (715)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	15	
Tack (gm/sq cm)	910	ASTM D 2979
Expected Exterior Life	Two years	
Service Temperature Range	-40°F to 302°F (-40°C to 150°C)	
Minimum Application Temperature	32°F (0°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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