

Durable Goods and Equipment Labeling

Matte Topcoated Clear 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 #: FLX000283



Product:

**Flexcon®
CompuCal® Excel™ 20449**

Benefits:

- 2.0 mil matte topcoated clear polyester provides consistent surface smoothness, excellent dimensional stability and endurance to varying temperatures
- Matte topcoated film designed for cross-technology printability via narrow-format UV inkjet, 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
- 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
- White, layflat two-side polycoated release liner with a highly engineered backside, friction-coated layer which enables excellent tracking on press and reliable feeding through tabletop and big box laser printers
- Liner is suitable for optical sensing on most thermal transfer printers
- UL recognized under UL 969 - UL File No. PGJ12.MH16635 Printing Materials - Component
- CSA accepted under CSA File No. 99214



Flexcon® CompuCal® Excel™ 20449

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	MTC & Film	2.1 (53) +/- 10%
	Adhesive	0.9-1.0 (23-25) +/- 0.1 (3)
	Liner	7.0 (178) +/- 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	60 (660)	
Acrylic	77 (847)	
Acrylic Powder Paint	59 (649)	
Aluminum	54 (594)	
Epoxy Powder Paint	67 (737)	
Fiberglass	42 (462)	
Glass	68 (748)	
HDPE	32 (352)	
Painted Metal	57 (617)	
Polycarbonate	58 (638)	
Polyester	87 (957)	
Polypropylene	15 (165)	
Polyurethane Powder Paint	72 (792)	
Stainless Steel	55 (605)	
Styrene	54 (594)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	50	
Tack (gm/sq cm)	360	ASTM D 2979
Expected Exterior Life	Two years	
Service Temperature Range	-40°F to 302°F (-40°C to 150°C) Intermittent exposure to 500°F (260°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years when stored at 70°F (21°C) and 50% relative humidity	

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.

Last Modified On: 02/12/2024

