

# 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 #: FLX000282*



Product:

**Flexcon®  
CompuCal® Excel™ 20440**

## 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
- 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
- CSA accepted under CSA File No. 99214

# Flexcon® CompuCal® Excel™ 20440

PRODUCT DATA	VALUE	TEST METHOD
<b>Physical Properties</b>		
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)
<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	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)	
Polyester	87 (957)	
Polyester Powder Paint	55 (605)	
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)	30	
Tack (gm/sq cm)	1030	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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