

## Durable Goods and Equipment Labeling

Matte Topcoated Clear Polyester - Overlaminates

### **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 #: FLX012395



### **Product:**

**FLEXcon® COMPUcal® EXCEL™ 10442**

### **Benefits:**

- 1.0 mil matte topcoated clear overlaminating polyester provides excellent clarity and label protection
- Overlaminating polyester resists temperature extremes, abrasion and chemical exposure for maximum label protection
- This thin gauge film can also be used as a printable base film alternative to the standard 2.0 mil product
- 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
- Permanent pressure-sensitive acrylic adhesive bonds well to base film substrates, as well as low-surface energy plastics, metal and powder-coated paint
- Backed with a 1.0 mil polyester release liner that provides excellent clarity and surface smoothness, and is an excellent diecutting base
- Ideal for roll-form converting
- UL recognized under UL 969 - UL File No. PGJ12.MH16635 Printing Materials - Component
- CSA accepted under CSA File No. 99214

# FLEXcon® COMPUcal® EXCEL™ 10442

PRODUCT DATA	VALUE	TEST METHOD
<b>Physical Properties</b>		
Thickness (Mils[microns])	MTC & Film 1.1 (28) +/- 10%	ASTMD 3652 (Modified for use with non-tape products)
	Adhesive 0.8-0.9 (20-23) +/- 0.1 (3)	
	Liner 1.0 (25) +/- 5%	
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	ASTMD 903 (Modified for 72 hour dwell time)
	Oz/In (N/m)	
ABS	54 (594)	
Acrylic	61 (671)	
Acrylic Powder Paint	45 (495)	
Aluminum	57 (627)	
Epoxy Powder Paint	55 (605)	
Fiberglass	41 (451)	
Glass	43 (473)	
HDPE	21 (231)	
Painted Metal	42 (462)	
Polycarbonate	54 (594)	
Polyester	59 (649)	
Polyester Powder Paint	27 (297)	
Polypropylene	27 (297)	
Polyurethane Powder Paint	50 (550)	
Stainless Steel	48 (528)	
Styrene	47 (517)	
<b>Expected Shear</b>		ASTMD 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	25	ASTMD 2979
<b>Tack (gm/sq cm)</b>	830	
<b>Expected Exterior Life</b>	Two years	
<b>Service Temperature Range</b>	-40°F to 302°F (-40°C to 150°C)	
<b>Minimum Application Temperature</b>	50°F (10°C)	
<b>Storage Stability</b>	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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