

Durable Goods and Equipment Labeling

Matte Topcoated Clear Polyester - Overlamine

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
Physical Properties		
Thickness (Mils[microns])	MTC & Film	1.1 (28) +/- 10%
	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)
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 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)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	25	
Tack (gm/sq cm)	830	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	

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