

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
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%	ASTM D 3652 (Modified for use with non-tape products)
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	

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: 02/15/2024

