Flexcon® CompuCal® Excel™ 10442

1.0 Mil Matte Topcoated Clear Polyester Overlaminate, Permanent Adhesive, Poly Liner

FLX012395

Benefits

- Overlaminating polyester resists temperature extremes, abrasion and chemical exposure for maximum label protection
- UL recognized under UL 969 - UL File No. PGJI2.MH16635 Printing Materials - Component
- CSA accepted under CSA File No. 99214
- View Flexcon® CompuCal® Excel™ 10442 Yellow Card

Features

- 1.0 mil matte topcoated clear overlaminating polyester provides excellent clarity and 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 an ultra smooth clear polyester release liner

Additional Details

Learn more about Overlaminates

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	3.2	
Film	1.1 +/- 10%	28
Adhesive	0.8-0.9 +/- 0.1	20-23 +/- 3
Liner	1.0 +/- 5%	25

Test Method: ASTM D 3652 (Modified for use with non-tape product)

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Stainless Steel	48	528
Acrylic	61	671
Glass	43	473
Polypropylene	27	297

Test Method: ASTM D 903 (Modified for 72 hr. dwell time)

Additional Properties	Value	Test Method
Expected Shear (hours)	25	ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
Tack (g)	830	ASTM D 2979
Expected Exterior Life	Two years	
Additional Information		
Service Temperature	-40°F to 302°F (-40°C to 150°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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