Flexcon® DrumCal™ 41743

3.5 Mil White Vinyl, Permanent Adhesive, Roll-to-Sheet - BS 5609 Compliant

FLX069117

Benefits

- BS 5609 compliant
- 2 year outdoor durability

Features

- 3.5 mil flexible white vinyl provides excellent chemical resistance for drum labeling applications
- The internal strength of the film facilitates removal during reconditioning
- Printable via resin and wax/resin thermal transfer; UV & solvent screen; UV, solvent & water flexo; laser (toner); and narrow-format UV inkjet
- Unique matte topcoat allows for greater than four times as many die revolutions before retooling compared with competing label materials
- Matte filled topcoat allows for successful printing with a wider range of wax/resin ribbons
- Topcoat provides excellent resistance to chemicals, moisture, smudging and scratching
- Adhesive system is designed to bond well to painted steel, fiber and plastic drums
- Product can be applied at low temperatures
- High peel, high shear adhesive resists cold flow and oozing, gaining efficiencies in diecutting and dispensing
- Fanfoldable 77 lb. layflat roll-to-sheet liner feeds well through most sheet-fed, continuous laser and thermal transfer printers
- Release liner is ideal for cut sheet, fanfold and roll-to-sheet converting

Additional Details

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	10.3	
Film	3.5 +/- 10 %	89
Adhesive	1.0-1.1 +/- 0.1	25-28 +/- 3
Liner	5.6 +/- 10 %	142

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

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Stainless Steel	77	847
Acrylic	81	891
Glass	61	671
Polypropylene	22	242
Polyester	66	726

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

Additional Properties	Value	Test Method
Expected Shear (hours)	8	ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load)
Tack (g)	610	ASTM D 2979
Expected Exterior Life	Film: Two years, Matte Coating: Discolors under sunlight.	
Additional Information		
Service Temperature	-40°F to 176°F (-40°C to 80°C)	
Minimum Application Temperature	10°F (-12.5°C)	
Storage Stability	Two years when stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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