Flexcon® MedFlex® Plus PMCMMS50K

Medical Device Labeling Matte Topcoated 2 Mil Clear Matte Polyester Permanent Adhesive Roll Liner UL Recognized

FLX069871

Benefits

- Matte topcoat and adhesive are 21 CFR175.105 indirect food contact compliant
- View UL PGJI2 for Flexcon® MedFlex® Plus PMCMMS50K Yellow Card
- Compliant with IEC 60601-1 3rd edition marking durability rub tests, and UL/cUL Verified (Verified ID: V487460). Exceeding marking durability requirements with 6 additional cleaning agents: Microban, Lysol®* wipes, quaternary ammonium, hypochlorite, 3% and 32% (food-grade) hydrogen peroxide, and phenol disinfectant spray
- 6-month change notification

Features

- Matte topcoated 2.0 mil clear matte polyester provides consistent surface smoothness, excellent dimensional stability, and endurance to varying temperatures
- Topcoat provides excellent resistance to chemicals, moisture, smudging and scratching
- Matte filled topcoat allows for successful printing with a wider range of wax/resin ribbons
- Unique matte topcoat allows for greater than four times as many die revolutions before retooling compared with competing label materials
- Permanent solvent based acrylic biocompatible pressure-sensitive adhesive bonds well to low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate and fiberglass
- Printable via resin and wax/resin thermal transfer; UV & solvent screen; UV, solvent & water flexo; laser (toner); narrow-format UV inkjet; UV letter press; and UV offset
- Backed with a 50 lb. bleached kraft release liner made from up to 30% post-consumer waste, ideal for roll-form converting
- Liner is suitable for optical sensing on most thermal transfer printers

Additional Details

Additional details:

All narrow-format UV inkjet systems are different; therefore, we recommend "fit-for-use" testing. For laser diecutability, please check with your equipment manufacturer.

Please Note: MedFlex® Plus is not intended for direct skin contact nor for implantable devices.

*Lysol® is a registered trademark of Reckitt Benckiser LLC.

Technical Data

Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	6.45	
Film	2.1 +/- 10%	53
Adhesive	0.8-0.9 +/- 0.1 (3)	20-23
Liner	3.1 +/- 10%	79

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

Adhesion Properties

Ultimate Peel from	Average Oz/In	(N/m)
Acrylic	77	847
Glass	68	748
Polypropylene	15	165
Stainless Steel	55	605
ABS	60	660

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

Additional Properties	Value	Test Method
Expected Shear (hours)		
Tack (g)	1030	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% RH	

Product Performance and Suitability

Descriptive information, performance data, and recommendations for Flexcon products are guides and not specifications. Providing this information is to assist you and does not constitute a warranty of any kind by Flexcon.

Purchasers must independently determine the material's suitability for their intended use. No distributor, salesman, or representative of Flexcon is authorized to provide any warranty or guarantee beyond what is stated. FLEXCON MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, OR TRADE USAGE.

© 2026 Flexcon, Inc. All rights reserved.