



## Flexcon® MedFlex® Plus MMSMMS50K

Medical Device Labeling 2 Mil Silver Matte Polyester Topcoated Permanent Adhesive Roll Liner UL Recognized  
FLX069873

### Benefits

- UL recognized under UL 969 – UL File No. PGJ12.MH16635 Printing Materials – Component
- Compliant with IEC 60601-1 3rd edition marking durability rub tests, and UL Verified. [UL 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
- Topcoat and adhesive are 21 CFR175.105 indirect food contact compliant

### Features

- Matte topcoated 2.0 mil silver matte polyester provides consistent surface smoothness, excellent dimensional stability, and endurance to varying temperatures
- Topcoat provides excellent resistance to chemicals, moisture, smudging and scratching
- Printability 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
- 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 without lifting
- 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

All narrow-format UV inkjet systems are different; therefore, we recommend "fit-for-use" testing. For laser diecutability, please check with your equipment manufacturer. \*Lysol® is a registered trademark of Reckitt Benckiser LLC. Please Note: MedFlex® Plus is not intended for direct skin contact nor for implantable devices. For skin contact applications, please contact Flexcon at 508.885.8296 for information on our Flexcon® Dermaflex™ product line. "Fit-for-use" testing is recommended under actual application conditions.

### Technical Data

#### Physical Properties

Thickness (Mils [microns])	Mils	Microns
Total Product	6.35	
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
Stainless Steel	55	605
Polypropylene	15	165
Aluminum	54	594

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.

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