

Medical Device Labeling

Matte Topcoated Silver Matte

UL/IEC Recognized Label Materials for UDI Compliant Medical Device Labeling

*End Use Applications including:
Medical Device Track & Trace
UDI Labels*

Compliance Labels

Component Tracking Labels

Warning / Instructional Labels

Nameplates

Brand Identity Labels

For more information on FLEXcon's pressure-sensitive film solutions for Medical Device Labeling, contact your local Sales Representative or our Product Identification Business Team at (508) 885-8300.

Product ID #: FLX069873



Product: Flexcon® MedFlex® Plus MMSMMS50K

Benefits:

- Matte topcoated 2.0 mil silver matte polyester provides consistent surface smoothness, excellent dimensional stability, and endurance to varying temperatures
- 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
- 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
- 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
- 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

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.



Flexcon® MedFlex® Plus MMSMMS50K

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	MTC & Film	2.1 (53) +/- 10%
	Adhesive	0.8-0.9 (20-23) +/- 0.1 (3)
	Liner	3.1 (79) +/- 10%
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	60 (660)	
Acrylic	77 (847)	
Acrylic Powder Paint	59 (649)	
Aluminum	54 (594)	
Epoxy Powder Paint	67 (737)	
Fiberglass	42 (462)	
Glass	68 (748)	
HDPE	32 (352)	
Painted Metal	57 (627)	
Polycarbonate	58 (638)	
Polyester	87 (957)	
Polyester Powder Paint	55 (605)	
Polypropylene	15 (165)	
Polyurethane Powder Paint	72 (792)	
Stainless Steel	55 (605)	
Styrene	54 (594)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	30	
Tack (gm/sq cm)	1030	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 stored at 70°F (21°C) and 50% relative humidity	

Product Performance and Suitability

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: 12/11/2023

