



# Flexcon® MedFlex® PLUS PMWGS50K – 2 MIL WHITE PET, GLOSS TC, PERM ADH, ROLL LINER, UL REC

Medical Device Labeling Gloss Topcoated White Polyester  
FLX069869

## Benefits

- 6-month change notification

## Features

- Gloss topcoated 2.0 mil white polyester provides consistent surface smoothness, excellent dimensional stability, and endurance to varying temperatures
- Printable via resin and wax/resin thermal transfer; UV & solvent screen; UV, solvent & water flexo; laser (toner); narrow-format UV inkjet; UV letterpress; digital toner (Xeikon); and hot stamping
- 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

## 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	6.45	
Film	2.0 +/- 10%	51
Adhesive	0.9-1.0 +/- 0.1	23-25 +/- 3
Liner	3.1 +/- 10%	79

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



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## 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)	30	ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load)
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% relative humidity	

## 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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