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

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. PGJI2.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)

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	30	ASTM D 3654 Method A (1 hr. dwell, 1 sq. in, 4 lb. load)
Tack	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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