



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. 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 |
|----------------------------|-----------------|-------------|
| 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 |
| 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

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