# Flexcon® MedFlex® Plus MMSMMS50K

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

FLX069873

## Benefits

- Topcoat and adhesive are 21 CFR175.105 indirect food contact compliant
- View UL PGJI2 for Flexcon® MedFlex® Plus MMSMMS50K Yellow Card
- Compliant with IEC 60601-1 3rd edition marking durability rub tests, and UL/cUL 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
- 6-month change notification

## 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.

Please Note: MedFlex® Plus is not intended for direct skin contact nor for implantable devices.

*Lysol® is a registered trademark of Reckitt Benckiser LLC.

## 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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