



Flexcon® CompuCal® Excel™ 20449

2.0 Mil Matte Topcoated Clear Polyester, Permanent Adhesive, Layflat Liner
FLX000283

Benefits

- UL recognized under UL 969 - UL File No. PGJ12.MH16635 Printing Materials - Component
- CSA accepted under CSA File No. 99214

Features

- 2.0 mil matte topcoated clear polyester provides consistent surface smoothness, excellent dimensional stability and endurance to varying temperatures
- Matte topcoated film designed for cross-technology printability via narrow-format UV inkjet, impact, laser, electron beam, wax, resin and wax/resin thermal transfer (we recommend evaluating the intended ribbon and ink system for compatibility with the product under the application conditions)
- Unique matte topcoat allows for greater than four times as many die revolutions before retooling compared with competing label materials
- Topcoat provides excellent resistance to chemicals, moisture, smudging and scratching
- Permanent acrylic pressure-sensitive adhesive bonds well to low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate and fiberglass
- High shear and high peel adhesive resists cold flow and oozing
- White, layflat two-side polycoated release liner with a highly engineered backside, friction-coated layer which enables excellent tracking on press and reliable feeding through tabletop and big box laser printers
- Liner is suitable for optical sensing on most thermal transfer printers

Additional Details

Technical Data

Physical Properties

| Thickness (Mils [microns]) | Mils | Microns |
|----------------------------|---------------------|---------|
| Total Product | 10.15 | |
| Film | 2.1 +/- 10% | 53 |
| Adhesive | 0.9-1.0 +/- 0.1 (3) | 23-25 |
| Liner | 7.0 +/- 10% | 178 |

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) |
|--------------------|---------------|-------|
| Stainless Steel | 55 | 605 |
| Acrylic | 77 | 847 |
| Glass | 68 | 748 |
| 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) | 360 | 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

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