

TamperMark™ PM 200 White Void II TC-249 V-344 Spec 50K/Q-8

Topcoated thermal transfer printable, tamper evident glossy white small void polyester film coated with a permanent pressure sensitive acrylic adhesive and backed with a kraft release liner FLX000446

Benefits

• UL recognized under UL 969 - UL File No. PGGU2.MH10170 Marking and Labeling System Materials - Component

Features

- 2.0 mil tamper-evident white polyester film leaves behind "VOID" pattern
- Topcoat optimizes ink receptivity with most solvent and UV ink systems (please test for ink adhesion on your specific ink chemistry)
- Permanent acrylic pressure-sensitive adhesive bonds well to low- and high-surface energy plastics, painted metal, powder-coated paint, moderately rough surfaces. polycarbonate and fiberglass
- High-peel permanent acrylic adhesive resists cold flow and ooze
- Performance, aggressive, permanent pressure-sensitive adhesive bonds well to a variety of surfaces
- Backed with a 50 lb. semi-bleached kraft release liner that is Quilon®* coated

Additional Details

*Quilon® is a registered trademark of Zaclon, LLC.

Technical Data

Physical Properties

| Thickness (Mils [microns]) | Mils | Microns |
|----------------------------|---------------------|---------|
| Total Product | 6.9 | |
| Film | 2.3 +/- 10% | 58 |
| Adhesive | 1.0-1.1 +/- 0.1 (3) | 25-28 |
| Liner | 3.1 +/- 10% | 79 |

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



TamperMark™ PM 200 White Void II TC-249 V-344 Spec 50K/Q-8 Topcoated thermal transfer printable, tamper evident glossy white small void polyester film coated with a permanent pressure

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Adhesion Properties

| Ultimate Peel from | Average Oz/In | (N/m) |
|--------------------|---------------|----------------------------|
| Acrylic | 58+ | 638+ (leaves VOID pattern) |
| Glass | 53+ | 583+ (leaves VOID pattern) |
| Stainless Steel | 49+ | 538+ (leaves VOID pattern) |
| Acrylic | 58+ | 638+ (leaves VOID pattern) |
| Aluminum | 50+ | 550+ (leaves VOID pattern) |

Test Method: ASTM D 903 (Modified for 72 hour dwell time)

| Additional Properties | Value | Test Method |
|---------------------------------|---|-------------|
| Expected Shear (hours) | | |
| Tack (g) | 880 | ASTM D 2979 |
| Expected Exterior Life | Film: Two years, White Coating: Turns yellow unde sunlight | r |
| Additional Information | | |
| Service Temperature | -40°F to 302°F (-40°C to 150°C), Tamper-evident maximum 104°F (40°F) | |
| Minimum Application Temperature | 50°F (10°C), 35°F (2°C) minimum application temperature for pharmaceutical labeling on glass and HDPE | |
| Storage Stability | Two years stored at 70°F (21°C) and 50% RH | |

Product Performance and Suitability

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