

CT1MAD-F Polyester (PET) Film

DESCRIPTION

CT1MAD-F is a metallized polyester (PET) film that is suitable for flexible packaging applications. The plasma treatment of the corona treated surface enhances metal adhesion and barrier properties. The chemical treatment on the opposite side enhances adhesion to solvent base inks and adhesives.

CHARACTERISTICS

- Good MVTR and OTR barriers
- Enhanced adhesion of metal to film
- Excellent mechanical strength

FDA STATUS

Manufactured with materials compliant with FDA regulations.

COMPLIANCE

Please visit <https://www.transcendia.com/compliance> for more compliance information.

TECHNICAL DATA

| PROPERTIES | | UNIT OF MEASURE | TYPICAL VALUES | TEST METHOD |
|----------------------------------|----|-----------------------------|----------------|------------------------------|
| Thickness | | gauge | 48 | - |
| Yield | | in ² /lb | 42,000 | - |
| CoF, non-metal side (Dynamic) | | - | 0.6 | ASTM D1894 |
| Tensile Strength | MD | psi | 31,500 | ASTM D882 |
| Tensile Strength | TD | psi | 32,900 | ASTM D882 |
| Elongation | MD | % | 130 | ASTM D882 |
| Elongation | TD | % | 125 | ASTM D882 |
| Shrinkage | MD | % | 2.0 | ASTM D1204 |
| Shrinkage | TD | % | 0.2 | ASTM D1204 |
| Gloss (60°) | | % | 820 | ASTM D2457 |
| MVTR | | g/100 in ² /day | 0.16 | ASTM F1249 (37°C, 90% RH) |
| OTR | | cc/100 in ² /day | 0.19 | ASTM D3985 (23°C, 0% RH) |
| Surface Tension (Metal Side) | | dyne/cm | 50 | ASTM D2578 |
| Surface Tension (Non-Metal Side) | | dyne/cm | 55 | ASTM D2578 |

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