



DuPont Teijin Films™

MELINEX® 475

Product Description

Melinex® 475 is a high yield, translucent polyester film with superb handling properties. Both surfaces are pretreated to promote adhesion to most industrial coatings. The side with the lower gloss (Side A) is wound on the outside.

General Product Info

This film has low extractables and a high tear strength

Approvals

UL Recognition - Product has been registered with Underwriters Laboratories

Typical Properties

| Available Thickness [Gauge] |
|-----------------------------|
| 200 |

| Property | Thickness | Value | Units | Test |
|--------------------------------|-----------|------------------|---------------------|--|
| ELECTRICAL | | | | |
| Surface Resistivity | | 10 ¹⁵ | Ohms/sq | ASTM D257 (500 V DC @ 25°C 50% RH) |
| Volume Resistivity | | 10 ¹⁷ | Ohms-cm | ASTM D257 (100 V DC 25°C, 50% RH, 1000 sec electrification time) |
| OPTICAL | | | | |
| Gloss 45 Degrees | 200 | 60 | | ASTM D1003 (A side) |
| Gloss 45 Degrees | 200 | 95 | | ASTM D1003 (B side) |
| Total Light Transmission (TLT) | 200 | 40 | % | ASTM D1003 |
| PHYSICAL | | | | |
| Area Strength | 200 | 11,200 | in ² /lb | |
| C.O.F. (dynamic) A-B | | 0.3 | | ASTM D1894 |
| Density | | 1.20 | g/cc | ASTM D1505 |
| Elongation at Break MD | | 180 | % | ASTM D882A |
| Elongation at Break TD | | 110 | % | ASTM D882A |
| Tensile Strength MD | | 23,000 | psi | ASTM D882A |

| | | | | |
|----------------------|--|--------|-----|----------------------------|
| Tensile Strength TD | | 26,000 | psi | ASTM D882A |
| Yield Strength MD | | 12,000 | psi | ASTM D882A |
| Yield Strength TD | | 12,000 | psi | ASTM D882A |
| THERMAL | | | | |
| Shrinkage MD (190°C) | | 3.0 | % | Unrestrained @ 190°C/5 min |
| Shrinkage TD (190°C) | | 0.5 | % | Unrestrained @ 190°C/5 min |

Contact Info

DuPont Teijin Films U.S. Limited Partnership
 3600 Discovery Drive
 Chester, VA 23836 USA
 Tel: (800) 635-4639
 Fax: (804) 530-9867

Disclaimer

Note: These values are typical performance data for DuPont Teijin Films' polyester film; they are not intended to be used as design data. We believe this information is the best currently available on the subject. It is offered as a possible helpful suggestion in experimentation you may care to undertake along these lines. It is subject to revision as additional knowledge and experience is gained. DuPont Teijin Films makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patents.

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