

DuPont Teijin Films Melinex® 314 Polyester Film, 200 Gauge

Category : Polymer , Film , Thermoplastic , Polyester, TP , Polyester Film

Material Notes:

Melinex® 314 is a two-side adhesion promoting polyester film with consistently good handling properties. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-314-Polyester-Film-200-Gauge.php

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|------------------------------|-------------------------------|--|
| Film Tensile Strength at Yield, MD | 100 MPa | 14500 psi | ASTM D882A |
| Film Tensile Strength at Yield, TD | 99.3 MPa | 14400 psi | ASTM D882A |
| Film Elongation at Break, MD | 150 % | 150 % | ASTM D882A |
| Film Elongation at Break, TD | 100 % | 100 % | ASTM D882A |
| Coefficient of Friction, Dynamic | 0.40 @Thickness 0.0508 mm | 0.40 @Thickness 0.00200 in | A-B (untreated to treated); ASTM D1894 |
| Film Tensile Strength at Break, MD | 193 MPa | 28000 psi | ASTM D882A |
| Film Tensile Strength at Break, TD | 248 MPa | 36000 psi | ASTM D882A |

| Thermal Properties | Metric | English | Comments |
|--------------------|--|--|--------------|
| Shrinkage, MD | 2.5 % @Temperature 190 °C, Time 300 sec | 2.5 % @Temperature 374 °F, Time 0.0833 hour | Unrestrained |
| Shrinkage, TD | 0.50 % @Temperature 190 °C, Time 300 sec | 0.50 % @Temperature 374 °F, Time 0.0833 hour | Unrestrained |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------------------------------|---------------------------------|-----------------|
| Haze | 9.0 % @Thickness 0.0508 mm | 9.0 % @Thickness 0.00200 in | ASTM D1003 |
| Transmission, Visible | 85.5 % @Thickness 0.0508 mm | 85.5 % @Thickness 0.00200 in | TLT; ASTM D1003 |

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