

DuPont Teijin Films Melinex® 534 Polyester Film, 380 Gauge

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

Material Notes:

Melinex® 534 is an opaque white film with superb handling properties and a unique glossy appearance. It is pre-treated on both surfaces to promote adhesion to aqueous based inks and coatings. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-534-Polyester-Film-380-Gauge.php

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|----------|-----------|-----------------|
| Film Tensile Strength at Yield, MD | 161 MPa | 23400 psi | ASTM D882A |
| Film Tensile Strength at Yield, TD | 85.5 MPa | 12400 psi | ASTM D882A |
| Film Elongation at Break, MD | 152 % | 152 % | ASTM D882A |
| Film Elongation at Break, TD | 105 % | 105 % | ASTM D882A |
| Coefficient of Friction, Dynamic | 0.32 | 0.32 | A-B; ASTM D1894 |
| Film Tensile Strength at Break, MD | 138 MPa | 20000 psi | ASTM D882A |
| Film Tensile Strength at Break, TD | 85.5 MPa | 12400 psi | ASTM D882A |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------------------------------------|--|--------------|
| Shrinkage, MD | 0.70 % | 0.70 % | Unrestrained |
| | @Temperature 190 °C, Time 300 sec | @Temperature 374 °F, Time 0.0833 hour | |
| Shrinkage, TD | 0.60 % | 0.60 % | Unrestrained |
| | @Temperature 190 °C, Time 300 sec | @Temperature 374 °F, Time 0.0833 hour | |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|-----------------|
| Transmission, Visible | 13 % | 13 % | TLT; ASTM D1003 |

| Descriptive Properties | Value | Comments |
|------------------------|--------------------------|----------|
| Yield (nominal) | 5200 in ² /lb | |

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