

DuPont Teijin Films Melinex® 461 Polyester Film

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

Material Notes:

Melinex® 461 is a high clarity polyester film manufactured with a coating on one surface that promotes adhesion to many solvent formulations and to most vinyl or acrylic base ink systems. The adhesion pretreated surface is wound outside of the roll. Typical

Applications: Melinex 461 is used in many general industrial applications where clarity and adhesion properties are critical, e.g., coating, lamination and label applications. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-461-Polyester-Film.php

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|-------------|--------------|-----------------|
| Film Tensile Strength at Yield, MD | >= 89.6 MPa | >= 13000 psi | ASTM D882A |
| Film Tensile Strength at Yield, TD | >= 89.6 MPa | >= 13000 psi | ASTM D882A |
| Coefficient of Friction, Dynamic | <= 0.70 | <= 0.70 | A-B; ASTM D1894 |
| Film Tensile Strength at Break, MD | >= 172 MPa | >= 25000 psi | ASTM D882A |
| Film Tensile Strength at Break, TD | >= 172 MPa | >= 25000 psi | ASTM D882A |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------------------------------------|--|--------------|
| Shrinkage, MD | 2.5 % | 2.5 % | Unrestrained |
| | @Temperature 190 °C, Time 300 sec | @Temperature 374 °F, Time 0.0833 hour | |
| Shrinkage, TD | 1.0 % | 1.0 % | Unrestrained |
| | @Temperature 190 °C, Time 300 sec | @Temperature 374 °F, Time 0.0833 hour | |

| Optical Properties | Metric | English | Comments |
|--------------------|----------|----------|------------|
| Haze | <= 1.0 % | <= 1.0 % | ASTM D1003 |

| Descriptive Properties | Value | Comments |
|------------------------|---------------------------|---------------|
| Yield (nominal) | 13969 in ² /lb | for 142 Gauge |

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