

## DuPont Teijin Films Melinex® 331 Polyester Film, 700 Gauge

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

### Material Notes:

Melinex® 331 is an opaque, pearlescent, white film with excellent handling properties that is pretreated on one side to promote adhesion to most industrial coatings. Approvals: UL Recognition - Product has been registered with Underwriters Laboratories. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-331-Polyester-Film-700-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-331-Polyester-Film-700-Gauge.php)

| Physical Properties | Metric    | English                   | Comments   |
|---------------------|-----------|---------------------------|------------|
| Density             | 1.48 g/cc | 0.0535 lb/in <sup>3</sup> | ASTM D1505 |

| Mechanical Properties              | Metric      | English     | Comments        |
|------------------------------------|-------------|-------------|-----------------|
| Film Tensile Strength at Yield, MD | 86.2 MPa    | 12500 psi   | ASTM D882A      |
| Film Tensile Strength at Yield, TD | 86.2 MPa    | 12500 psi   | ASTM D882A      |
| Film Elongation at Break, MD       | 135 %       | 135 %       | ASTM D882A      |
| Film Elongation at Break, TD       | 95 %        | 95 %        | ASTM D882A      |
| Coefficient of Friction, Dynamic   | 0.30 - 0.40 | 0.30 - 0.40 | A-B; ASTM D1894 |
| Coefficient of Friction, Static    | 0.30 - 0.40 | 0.30 - 0.40 | ASTM D1894      |
| Film Tensile Strength at Break, MD | 159 MPa     | 23000 psi   | ASTM D882A      |
| Film Tensile Strength at Break, TD | 186 MPa     | 27000 psi   | ASTM D882A      |

| Thermal Properties | Metric                                        | English                                           | Comments     |
|--------------------|-----------------------------------------------|---------------------------------------------------|--------------|
| Shrinkage, MD      | 1.5 %<br>@Temperature 190 °C,<br>Time 300 sec | 1.5 %<br>@Temperature 374 °F,<br>Time 0.0833 hour | Unrestrained |
| Shrinkage, TD      | 1.5 %<br>@Temperature 190 °C,<br>Time 300 sec | 1.5 %<br>@Temperature 374 °F,<br>Time 0.0833 hour | Unrestrained |

| Optical Properties    | Metric | English | Comments        |
|-----------------------|--------|---------|-----------------|
| Gloss                 | 40 %   | 40 %    | 45°; ASTM D1003 |
|                       | 45 %   | 45 %    | 60°; ASTM D1003 |
| Transmission, Visible | 4.6 %  | 4.6 %   | TLT; ASTM D1003 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
|--------------------|--------|---------|----------|

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)  
Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)  
Tel : +86 021-51131842  
Mobile : +86 13061808058  
Skype : lookpolymers  
Address : United North Road 215,Fengxian District, Shanghai City,China