

## DuPont Teijin Films Mylar® D804 Polyester Film, 60 Gauge

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

### Material Notes:

Mylar® D804 is a super clear, biaxially oriented, co-extruded polyester film, available in 60, 75 and 92 gauge. Mylar® D804 is two-side pretreated for printing and adhesive lamination. Approvals: FDA Approval - All gauges of Mylar® D804 comply with the Food and Drug Administration regulation 21 CFR 177.1630 -- Polyethylene phthalate polymers, Sections (f) and (g). This regulation describes films which may be safely used in contact with all types of food, excluding alcoholic beverages, at temperatures not to exceed 250 °F. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Mylar-D804-Polyester-Film-60-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-D804-Polyester-Film-60-Gauge.php)

| Physical Properties | Metric    | English       | Comments                   |
|---------------------|-----------|---------------|----------------------------|
| Density             | 1.39 g/cc | 0.0502 lb/in³ | Typical Mylar®; ASTM D1505 |

| Mechanical Properties              | Metric  | English   | Comments        |
|------------------------------------|---------|-----------|-----------------|
| Film Elongation at Break, MD       | 120 %   | 120 %     | ASTM D882A      |
| Film Elongation at Break, TD       | 90 %    | 90 %      | ASTM D882A      |
| Coefficient of Friction, Dynamic   | 0.35    | 0.35      | A-B; ASTM D1894 |
| Coefficient of Friction, Static    | 0.40    | 0.40      | A-B; ASTM D1894 |
| Film Tensile Strength at Break, MD | 193 MPa | 28000 psi | ASTM D882A      |
| Film Tensile Strength at Break, TD | 228 MPa | 33000 psi | ASTM D882A      |

| Thermal Properties               | Metric  | English   | Comments               |
|----------------------------------|---|---|------------------------|
| Specific Heat Capacity           | 1.17 J/g-°C                                     | 0.280 BTU/lb-°F                                   | Typical Mylar®         |
| Melting Point                    | 254 °C  | 489 °F  | Typical Mylar® via DSC |
| Maximum Service Temperature, Air | 121 °C  | 250 °F  |                        |
| Shrinkage, MD                    | 1.25 %<br>@Temperature 150 °C,<br>Time 1800 sec | 1.25 %<br>@Temperature 302 °F,<br>Time 0.500 hour | Unrestrained           |
| Shrinkage, TD                    | 0.50 %<br>@Temperature 150 °C,<br>Time 1800 sec | 0.50 %<br>@Temperature 302 °F,<br>Time 0.500 hour | Unrestrained           |

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

| Refractive Index<br>Optical Properties | 1.64 - 1.67<br>Metric | 1.64 - 1.67<br>English | typical of Mylar®<br>Comments |
|--|-----------------------|------------------------|-------------------------------|
| Transmission, Visible                  | 91 %                  | 91 %                   | TLT; ASTM D1003               |

## Contact Songhan Plastic Technology Co.,Ltd.

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