

## DuPont Teijin Films Mylar® RSX951 Polyester Film, 175 Gauge

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

### Material Notes:

Mylar® RSX951 is a silicone coated polyester film designed for use as a release liner in various casting applications. The silicone release coating is applied to the film during the film production process, providing excellent adhesion of the coating to the polyester film for improved liner performance. Mylar® RSX951 has balanced tensile properties and good dimensional stability. Release values typically range between 15 and 25 grams per inch when tested with aggressive pressure-sensitive adhesives. It is recommended that the liner be tested in each application to verify the absolute value of the release strength. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Mylar-RSX951-Polyester-Film-175-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-RSX951-Polyester-Film-175-Gauge.php)

| Physical Properties | Metric                  | English                   | Comments                   |
|---------------------|-------------------------|---------------------------|----------------------------|
| Density             | 1.39 g/cc               | 0.0502 lb/in <sup>3</sup> | Typical Mylar®; ASTM D1505 |
| Coating Weight      | 0.0720 g/m <sup>2</sup> | 0.0450 lb/ream            |                            |

| Mechanical Properties              | Metric          | English         | Comments             |
|------------------------------------|-----------------|-----------------|----------------------|
| Film Elongation at Break, MD       | 150 %           | 150 %           | ASTM D882A           |
| Film Elongation at Break, TD       | 115 %           | 115 %           | ASTM D882A           |
| Film Tensile Strength at Break, MD | 193 MPa         | 28000 psi       | ASTM D882A           |
| Film Tensile Strength at Break, TD | 234 MPa         | 34000 psi       | ASTM D882A           |
| Heat Seal Strength                 | >= 22.0 g/25 mm | >= 0.0485 lb/in | Using Tesa 7475 Tape |

| 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 |
| Shrinkage, MD          | 2.3 %<br>@Temperature 150 °C,<br>Time 1800 sec  | 2.3 %<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   |
|--------------------|--------|---------|------------|
| Haze               | 7.5 %  | 7.5 %   | ASTM D1003 |

## Contact Songhan Plastic Technology Co.,Ltd.

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