

## DuPont Teijin Films Mylar® SR Polyester Film

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

### Material Notes:

Mylar® SR is a developmental film being produced to provide an economical substrate for use in thin, clear film applications such as post lamination or silicone release applications. The product is comparable in haze to current monofilm products such as Melinex® 442 and Mylar® E. The product is not pretreated on either side. Information provided by DuPont.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in <sup>3</sup>	Typical Mylar®; ASTM D1505

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	125 %	125 %	ASTM D882A
Film Elongation at Break, TD	105 %	105 %	ASTM D882A
Coefficient of Friction, Static	0.50	0.50	ASTM D1894
Film Tensile Strength at Break, MD	228 MPa	33000 psi	ASTM D882A
Film Tensile Strength at Break, TD	262 MPa	38000 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
Shrinkage, MD	1.4 %	1.4 %	Unrestrained
	@Temperature 150 °C, Time 1800 sec	@Temperature 302 °F, Time 0.500 hour	
Shrinkage, TD	2.8 %	2.8 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, MD	0.50 %	0.50 %	Unrestrained
	@Temperature 150 °C, Time 1800 sec	@Temperature 302 °F, Time 0.500 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	0.80 %	0.80 %	ASTM D1003
	@Thickness 0.0122 mm	@Thickness 0.000480 in	
	1.0 %	1.0 %	
	@Thickness 0.0191 mm	@Thickness 0.000750 in	ASTM D1003
	1.2 %	1.2 %	ASTM D1003
Transmission, Visible	@Thickness 0.0234 mm	@Thickness 0.000920 in	
	89.7 %	89.7 %	ASTM D1003
	@Thickness 0.0122 - 0.0234 mm	@Thickness 0.000480 - 0.000920 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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