

DuPont Teijin Films Mylar® RSX951 Polyester Film, 140 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-140-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	Typical Mylar®; ASTM D1505
Coating Weight	0.0720 g/m ²	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 % @Temperature 150 °C, Time 1800 sec	2.3 % @Temperature 302 °F, Time 0.500 hour	Unrestrained
Shrinkage, TD	0.50 % @Temperature 150 °C, Time 1800 sec	0.50 % @Temperature 302 °F, Time 0.500 hour	Unrestrained

Optical Properties	Metric	English	Comments
Haze	7.1 %	7.1 %	ASTM D1003

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