

DuPont Teijin Films Mylar® HR951 Polyester Film, 92 Gauge

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

Material Notes:

Mylar® HR951 is a one-side release coated polyester film with good handling properties and clarity. It has been developed for use in various industrial applications. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-HR951-Polyester-Film-92-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	140 %	140 %	ASTM D882A
Film Elongation at Break, TD	110 %	110 %	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	2.5 % @Temperature 150 °C, Time 1800 sec	2.5 % @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
Refractive Index	1.64 - 1.67	1.64 - 1.67	typical of Mylar®
Haze	2.5 %	2.5 %	ASTM D1003

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