

## DuPont Teijin Films Mylar® TL Polyester Film

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

### Material Notes:

Mylar® Type TL film is a film specified for card protection engineered to provide an identical shrinkage between MD/TD and also possessing good properties of resistance to moisture, oils and chemicals. General Product Info: Mylar® Type TL film has balanced tensile properties, high clarity, and resistance to moisture, oils and chemicals, particularly whose identical MD/TD shrinkages make it well suited for protective applications and resulting in a flat and artistic product after processing while keeping clarity of the original and no deformation as well. Typical Applications: Mylar® Type TL film has been widely used in the following: (1) card protection; (2) photo protection; (3) document jackets and office supplies. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Mylar-TL-Polyester-Film.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-TL-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	110 %	110 %	ASTM D882A
Tensile Modulus	3.50 GPa	507 ksi	ASTM D882A
Film Tensile Strength at Break, MD	152 MPa	22000 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	2.0 % @Temperature 150 °C, Time 1800 sec	2.0 % @Temperature 302 °F, Time 0.500 hour	Unrestrained
Shrinkage, TD	2.0 % @Temperature 150 °C, Time 1800 sec	2.0 % @Temperature 302 °F, Time 0.500 hour	Unrestrained

Optical Properties	Metric	English	Comments
Optical Density	2.5 @Thickness 0.0109 - 0.0122 mm	2.5 @Thickness 0.000430 - 0.000480 in	

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