

DuPont Teijin Films Melinex® 606 Polyester Film, 300 Gauge

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

Material Notes:

Melinex® 606 is a very smooth two-side coated polyester film designed specifically for high density floppy disks. Also available in 285 Gauge. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-606-Polyester-Film-300-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.395 g/cc	0.05040 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	95.8 MPa @Strain >=5.00 %	13900 psi @Strain >=5.00 %	ASTM D882A
Film Tensile Strength at Yield, TD	95.8 MPa @Strain >=5.00 %	13900 psi @Strain >=5.00 %	ASTM D882A
Secant Modulus, MD	3.39 GPa	492 ksi	ASTM D882A
Secant Modulus, TD	4.21 GPa	610 ksi	ASTM D882A
Film Tensile Strength at Break, MD	191 MPa	27700 psi	ASTM D882A
Film Tensile Strength at Break, TD	225 MPa	32600 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	2.5 % @Temperature 190 °C, Time 300 sec	2.5 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained
Shrinkage, TD	1.0 % @Temperature 190 °C, Time 300 sec	1.0 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained

Optical Properties	Metric	English	Comments
Transmission, Visible	90.2 %	90.2 %	TLT; ASTM D1003

Descriptive Properties	Value	Comments
Coefficient of Hygroscopic Expansion	7E-06	per 40% - 80% RH

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