

Melinex® S

Thermoplastic Polyester

DuPont Teijin Films U.S.

Message:

Melinex® S is a Thermoplastic Polyester product. It is available in North America. Typical application: Film. Primary characteristic: slip.

General Information			
UL YellowCard	E93687-252980		
Additive	High Slip		
Features	High Slip		
Uses	Film		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ASTM D1505
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Static)	0.40		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	23	µm	
Secant Modulus			ASTM D882
1% Secant, MD	4140	MPa	
1% Secant, TD	4830	MPa	
Tensile Strength			ASTM D882
MD : Yield	103	MPa	
TD : Yield	103	MPa	
MD : Break	193	MPa	
TD : Break	228	MPa	
Tensile Elongation			ASTM D882
MD : Break	150	%	
TD : Break	110	%	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	260	°C	
CLTE - Flow	3.7E-5	cm/cm/°C	ASTM D696
Specific Heat	1340	J/kg/°C	ASTM C351
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Dielectric Constant			ASTM D150
100 Hz	3.30		
1 MHz	3.00		

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