

# Melinex® 442

Thermoplastic Polyester  
DuPont Teijin Films U.S.

Message:

Melinex® 442 is a Thermoplastic Polyester product. It is available in North America. Typical application: Film.  
Characteristics include:  
Clarity  
Slip

General Information			
UL YellowCard	E93687-252945		
Additive	Slip		
Features	High Clarity		
	Slip		
Uses	Film		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm <sup>3</sup>	ASTM D1505
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Static)	0.50		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Tensile Strength			ASTM D882
MD : Yield	100	MPa	
TD : Yield	100	MPa	
MD : Break	186	MPa	
TD : Break	234	MPa	
Tensile Elongation			ASTM D882
MD : Break	150	%	
TD : Break	110	%	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	260	°C	
CLTE - Flow	1.8E-5	cm/cm/°C	ASTM D696
Optical	Nominal Value	Unit	Test Method
Transmittance	88.0	%	ASTM D1003
Haze	1.7	%	ASTM D1003

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