



DuPont Teijin Films™

MELINEX® STCH11

Product Description

MELINEX® STCH11 is a crystal clear, high gloss, heat stabilized polyester film engineered to maintain low haze after high temperature exposure. One side is pretreated with a primer designed to index match to hardcoats for flexible electronic applications.

Typical Properties

Available Thickness [Gauge]
200; 300; 400; 500

Property	Thickness	Value	Units	Test
ELECTRICAL				
Dielectric Constant	200-500	2.9		ASTM D150
Dielectric Strength		3,000	volts/mil	ASTM D149
Surface Resistivity	200-500	10 ¹³	Ohms/sq	ASTM D257
Volume Resistivity		10 ¹⁷	Ohms-cm	ASTM D257
OPTICAL				
Haze	200-500	0.3	%	ASTM D1003
Total Light Transmission (TLT)	200-500	>90	%	ASTM D1003
PHYSICAL				
C.O.F. (static)	200-500	<0.6		ASTM D1894
Elongation at Break MD	200-500	170	%	ASTM D882A
Elongation at Break TD	200-500	90	%	ASTM D882A
Tensile Strength MD (break)	200-500	25,000	psi	ASTM D882A
Tensile Strength TD (break)	200-500	28,000	psi	ASTM D882A
THERMAL				
Coefficient of Hydrolytic Expansion		6X10 ⁻⁶	in/in/% RH	40% - 80% RH
Coefficient of Thermal Expansion	200-500	10X10 ⁻⁶	in/in/°F	(68 - 122 °F)
Shrinkage MD (150°C)	200-500	0.1	%	Unrestrained @150°C/30 min
Shrinkage TD (150°C)	200-500	0.02	%	Unrestrained @150°C/30 min

Contact Info

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Disclaimer

Note: These values are typical performance data for DuPont Teijin Films' polyester film; they are not intended to be used as design data. We believe this information is the best currently available on the subject. It is offered as a possible helpful suggestion in experimentation you may care to undertake along these lines. It is subject to revision as additional knowledge and experience is gained. DuPont Teijin Films makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patents.

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