

POLYCARBONATE FILMS

Properties of JS1501T Series for Non-Laser Films

EXIM Transparent Non-laser PC Films, both Standard and Antistatic grades, offer the highest level of protection as a clear overlay for secure documents; such as ID cards, Passport datapages and driving licences. Non-laser PC films have a thickness range of 30 to 400 µm. Applications include roll or sheet based and produced as matte/matte, velvet/matte or glossy/matte upon request. .

PROPERTIES		TEST METHOD	UNIT	VALUE
General Properties				
Gloss, 60° Top side		ISO 2813	Digits	≥ 5
Gloss, 60° Reverse side		ISO 2813	Digits	≥ 5
Density (20°C method C)		ISO 1183	g/cm ³	1.2
Mechanical Properties				
Tensile Strength at break	<i>TD</i> <i>MD</i>	ISO 527	MPa	≥50 ≥50
Elongation at break		ISO 527	%	>50
Thermal Properties				
Shrinkage, parallel (130°C 1 h)		DIN 53752	%	<0,5
Shrinkage, across (130°C 1 h)		DIN 53752	%	<0,5
Coefficient of linear thermal expansion, parallel 20 to 120°C		DIN 53752	10 ⁻⁶ /K	70
Coefficient of linear thermal expansion, across 20 to 120°C		DIN 53752	10 ⁻⁶ /K	70
Optical Properties				
Light Transmittance		ISO 13468-2	%	>80
Other Properties				
Water Absorption		ISO 62	%	0,15

- These properties are typical values for 100 µm film; not guaranteed values.”
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