



北京宝捷拿科技发展有限公司
Pacific Security Technologies (Beijing) Co., Ltd.

PolyIDfilm® Polycarbonate film overlay laserable ***polyIDfilm®IDL 32***

Color	Texture	Thickness	Common thickness	Application
semitransparent	Matte/fine velvet	0.035mm~ 0.76mm	0.1mm	Overlay laserable

Product Datasheet

Item	Property	Value	Unit	Test Method
Physical	Density	1.2	g/cm ³	ISO 1183
	Haze	>70	%	ASTM D1003
	Light Transmission	>80	%	ASTM D1003
	Roughness (Ra)	fine velvet:1.2~1.7 Matte:0.5~1.0	μm	ISO 4587
Mechanical	Tensile Strength	≥55	MPa	ISO 527
	Elongation	>50	%	ISO 527
	Tensile Modulus	2150	MPa	ISO 527
	Flexural Strength	90	MPa	ISO 178
Electrical	Dielectric Constant	3	-	IEC60250
	@0.5mm Resistant Puncture Voltage	≥30	KV/mm	IEC 60243
	Surface Resistivity	1.00E+14	Ω/square	IEC 60093
	Volume Resistivity	1.00E+15	Ω-cm	IEC 60093
Thermal	Coefficient of Thermal Expansion	5.8	×10 ⁻⁵ /°C	ISO 11359
	Thermal Shrinkage (at 130°C)	0.5~0.7	%	ASTM D1204

Tip: This test data is for reference only, not as an absolute application index.



Rm. 2006, B Tower, TianYuanGang, East Third Ring North Road No.2
100027, Beijing P.R. China
Website: [Http://www.pstech.net](http://www.pstech.net) Email: pstech@pstech.net