



北京宝捷拿科技发展有限公司
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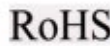
PolyIDfilm® Polycarbonate film overlay **polyIDfilm®IDO21**

Color	Texture	Thickness	Common thickness	Application
transparent	Matte/polished	0.035mm~0.5mm	0.05mm、0.075mm、0.15mm	ID card

Product Datasheet

Item	Property	Value	Unit	Test Method
Physical	Density	1.2	g/cm ³	ISO 1183
	Haze	>70	%	ASTM D1003
	Light Transmission	>85	%	ASTM D1003
	Roughness (Ra)	Polished: ≤0.1 Matte:0.5~1.0	μm	ISO 4587
Mechanical	Tensile Strength	≥55	MPa	ISO 527
	Elongation	>50	%	ISO 527
	Tensile Modulus	2200	MPa	ISO 527
	Flexural Strength	91	MPa	ISO 178
	Surface tension	>32	DYN	Test Pen
Electrical	Dielectric Constant	3	-	IEC60250
	@0.5mm Resistant Puncture Voltage	≥30	KV/mm	IEC 60243-1
	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.



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