



PolyIDcard™

Polycarbonate film **C71-A**

- ◇ Color: transparent or semi-transparent
- ◇ Thickness: 0.035mm~0.76mm
- ◇ Common thickness: 0.05mm and 0.075mm
- ◇ Application: overlay layer of ID cards and bank cards

**Product Datasheet**

Item	Property	Value	Unit	Test Method
Physical	Density	1.2	g/cm <sup>3</sup>	ISO 1183
	Haze	80	%	ASTM D1003
	Light Transmission	88	%	ASTM D1003
Mechanical	Tensile Strength	60	MPa	ISO 527
	Elongation	>100	%	ISO 527
	Tensile Modulus	2300	MPa	ISO 527
Electrical	Dielectric Constant	3	-	IEC60250
	Resistant Puncture Voltage	30	KV/mm	IEC 60243
	Surface Resistivity	1.00E+15	Ω/square	IEC 60093
	Volume Resistivity	1.00E+16	Ω-cm	IEC 60093
Thermal	Coefficient of Thermal Expansion	5.8	×10 <sup>-5</sup> /°C	ISO 11359
	Thermal Shrinkage (at 150°C,30min)	0.5~0.7	%	ASTM D1204
	Glass Transition Temperature	152	°C	ISO 11357
	Vicat Softening Temperature	156	°C	ISO 306
Flammability	UL94	V-2/VTM-2		E249605

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



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