



PolyIDfilm® Polycarbonate film core layer **polyIDfilm® IDC 32**

Color	Texture	Thickness	Common thickness	Application
White	Matte/fine velvet	0.03mm~ 0.76mm	0.08mm、0.1mm、 0.13mm、0.25mm	core layer

Product Datasheet

Item	Property	Value	Unit	Test Method
Physical	Density	1.33	g/cm ³	ISO 1183
	Light Transmission	0.05mm < 10 0.03mm < 13	%	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	2100	MPa	ISO 527
	Flexural Strength	91	MPa	ISO 178
Electrical	Dielectric Constant	2.9	-	IEC60250
	@1mm 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

