



omay® Polycarbonate Film U42

- ◇ Texture: velvet/matte
- ◇ Color: higher haze and semi-transparent
- ◇ Properties: halogen free, insulated, flame retardant
- ◇ Thickness: 0.125mm~1.0mm
- ◇ Application: insulating shield of PCB ASSY for TV, flame retardant folding box and horn net, etc.

Product Datasheet

Item	Property	Value	Unit	Test Method
Physical	Density	1.23	g/cm ³	ISO 1183
	Haze	>70	%	ASTM D1003
	Light Transmission	>80	%	ASTM D1003
Mechanical	Tensile Strength	60	MPa	ISO 527
	Elongation	>50	%	ISO 527
	Bend Strength	91	MPa	ISO 178
	Tensile Modulus	2400	MPa	ISO 178
	Surface tension	≥34	Dyn/cm	Test fluid
Electrical	Dielectric Constant	3	-	IEC60250
	Resistant Puncture Voltage	30	KV/mm	IEC 60243
	Surface resistivity	1.00E+16	Ω/square	IEC 60093
	Volume resistivity	1.00E+17	Ω-cm	IEC 60093
Thermal	Coefficient of Thermal Expansion	5.8	×10 ⁻⁵ /°C	ISO 11359
	Thermal Conductivity Rate	0.2	W/(m*K)	ASTM D5470
	Thermal Shrinkage (150°C)	0.5~0.7	%	ASTM D1204
	Tg	152	°C	ISO306
Flammability	Grade of resistant flame	VTM-0/V-0		UL94

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



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