



omay[®] Polycarbonate film IMD21

- ✧ Texture: matte/polished
- ✧ Protective film: PE films on polished side
- ✧ Good tensile property and easily 3D thermal forming
- ✧ Thickness: 0.1mm~0.76mm
- ✧ Common thickness: 0.125mm, 0.175mm, 0.25mm, 0.375mm, 0.5mm and 0.76mm
- ✧ Application: IMD/IML decorative films for speedometer, motor vehicle, household appliances

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
Mechanical	Tensile Strength	60	MPa	ISO 527
	Elongation	>100	%	ISO 527
	Bend Strength	91	MPa	ISO 178
	Tensile Modulus	2300	MPa	ISO 178
	Surface tension	≥34	dyn / cm	Test fluid
Electrical	Dielectric Constant	3	-	IEC60250
	Resistant Puncture Voltage	30	MV/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	0.5~0.7	%	ASTM D1204
	Tg	152	°C	ISO306
Flammability	Grade of resistant flame	V-2/VTM-2		E249605

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



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