



Polyopt[®] Polycarbonate Film & Sheet **OM11**

- ◇ Texture: polished/polished
- ◇ Color: higher transparent
- ◇ Protective film: PE films on double sides
- ◇ Thickness: 0.05mm~6.0mm
- ◇ Common roll thickness: 0.1mm, 0.125mm, 0.175mm, 0.25mm and 0.375mm
- ◇ Common sheet thickness: 0.5mm, 0.64mm, 0.8mm, 1.0mm, 1.5mm, 2.0mm and 3.0mm
- ◇ Application: panel display, hard coating for window display and electroplating and other surface finish

Product Datasheet

Item	Property	Value	Unit	Test Method
Physical	Density	1.2	g/cm ³	ISO 1183
	Haze	<0.5	%	ASTM D1003
	Light Transmission	89	%	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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