



Polyopt[®] Polycarbonate sheet **BLC4360F**

- ◇ Color: Ivory-white and higher haze
- ◇ Texture: velvet /fine velvet
- ◇ Flammability: UL94V-0, passed TP(a), EN45545 and BS security tests
- ◇ Thickness: 0.8mm~4.0mm
- ◇ Common thickness: 1.0mm, 1.5mm,2.0mm and 3.0mm
- ◇ Common dimension: 1220mm*2440mm
- ◇ Application: led lamps etc.

Product Datasheet

Item	Property	Value	Unit	Test Method
Optical	Light Transmission	55±3	%	ASTM D1003
	Haze	95±2	%	ASTM D1003
Physical	Density	1.2	g/cm ³	ISO 1183
	Water Absorbing Capacity	0.3	%	ASTM D570
Mechanical	Tensile Strength	60	MPa	ISO 527
	Elongation	>50	%	ISO 527
	Tensile Modulus	2300	MPa	ISO 527
	Flexural Strength	85	MPa	ISO 178
Electrical	Dielectric Constant	3	-	IEC60250
	Resistant Puncture Voltage	30	KV/mm	IEC 60243
	Arc Resistivity	250	-	IEC60112
	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	0.2	W/(m*K)	ASTM D5470
	Thermal Shrinkage (at 150°C)	0.5~0.7	%	ASTM D1204
	Tg	152	°C	ISO 11357
Flammability	UL94	V-0		UL94

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



RoHS



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