



*Polyopt*<sup>®</sup> Polycarbonate Sheet **BLC4385**

- ◇ Color: Ivory-white and higher transmittance
- ◇ Texture: velvet/fine velvet
- ◇ 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	75±3	%	ASTM D1003
	Haze	95±2	%	ASTM D1003
Physical	Density	1.2	g/cm <sup>3</sup>	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 <sup>-5</sup> /°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-2		UL94

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

