



*Polyopt*<sup>®</sup> Polycarbonate Film & Sheet **LSC11**

- ◇ Texture: polished/polished
- ◇ Protection film: PE films on double sides
- ◇ Properties: high optical performance, high heat and chill resistance and excellent dimension stability
- ◇ Thickness: 0.05mm~6.0mm
- ◇ Common roll thickness: 0.125mm, 0.25mm, 0.3mm and 0.5mm
- ◇ Common roll thickness: 0.5mm, 0.55mm, 0.6mm, 1.8mm, 2.0mm, 2.5mm and 3.0mm
- ◇ Application: LGF for illuminated keyboard, LGP for PHONE/PAD/NB and LGP for vehicle display, etc.

**Product Datasheet**

Item	Property	Value	Unit	Test Method
Physical	Density	1.2	g/cm <sup>3</sup>	ISO 1183
	Haze	<0.5	%	ASTM D1003
	Light Transmission	90	%	ASTM D1003
	water absorption	0.3	%	ISO 62
Mechanical	Tensile Strength	63	Mpa	ISO 527
	Elongation	>100	%	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	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 <sup>-5</sup> /°C	ISO 11359
	Thermal Conductivity Rate	0.2	W/(m*K)	ASTM D5470
	Thermal Shrinkage	0.5 ~ 0.7	%	MRC 法
	Tg	152	°C	ISO306
Flammability	Grade of resistant flame	V-2/VTM-2		UL94

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



Address: No.158-30,Huashan road, SND, Suzhou, China  
Tel: +86 512 66652011 Fax: +86 512 66652012  
E-mail: omay@pc-film.com Web: www.pc-film.com