



# Component - Plastics

File Number: E67171

LG CHEM LTD

20 YOIDO-DONG, YONGDUNGPO-GU, SEOUL 150-721 KR



LUPOY: PC1200(ccc), PC1201(ccc), PC1300(ccc), PC1301(ccc), PC1201HP(ccc), PC1201(ccc)(#)

Polycarbonate (PC), pellets

(#) - May be followed by optional suffix letter from A-Z incl., except F, and except Grades HT700B, XR401B, LI912A, AF303G, AF303S, XR404T, XR407D, XR407E, HF380X.

(ccc) - Followed by suffix numbers 8-18 incl. indicating melt flow rate.

Flammability	Value	Test Method
Flame Rating		
3.0 mm, ALL	HB	UL 94
0.50 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
1.6 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
2.5 to 2.7 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
3.0 mm, ALL	HB40	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.6 mm	PLC 2	
2.5 to 2.7 mm	PLC 2	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
1.6 mm	PLC 1	
2.5 to 2.7 mm	PLC 1	
3.0 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	12 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.50 mm	80.0 °C	
1.6 mm	125 °C	
2.5 to 2.7 mm	125 °C	
3.0 mm	125 °C	
RTI Imp		UL 746
0.50 mm	80.0 °C	
1.6 mm	115 °C	
2.5 to 2.7 mm	115 °C	
3.0 mm	115 °C	

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Thermal	Value	Test Method
RTI Str		UL 746
0.50 mm	80.0 °C	
1.6 mm	125 °C	
2.5 to 2.7 mm	125 °C	
3.0 mm	125 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796

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