



# Component - Plastics

File Number: E67171

LG CHEM LTD

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



LUPOY: PC1302(@)(aa)(f1), LUPOY PC1302UT(aa)(LT)(f1), LUPOY PC1303UT(aa)(LT)(f1)

Polycarbonate (PC), pellets

(@) - May be followed by optional one or two suffix letters from A-Z incl., except UV, LT, UT, V, EP, AC and E.

(aa) - Followed by suffix numbers 3-31 incl. indicating melt flow rate.

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(LT) - Followed by suffix numbers 8-20 incl., indicating molecular weight level.

Flammability	Value	Test Method
Flame Rating		UL 94
0.50 mm, ALL	V-2	IEC 60695-11-10, -20
1.6 mm, ALL	V-2	
2.5 mm, ALL	V-2	
3.0 mm, ALL	V-2	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.6 mm	PLC 2	
2.5 mm	PLC 2	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
1.6 mm	PLC 0	
2.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	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	120 °C	
2.5 mm	120 °C	
3.0 mm	120 °C	
RTI Imp		UL 746
0.50 mm	80.0 °C	
1.6 mm	105 °C	
2.5 mm	105 °C	
3.0 mm	110 °C	
RTI Str		UL 746
0.50 mm	80.0 °C	
1.6 mm	120 °C	
2.5 mm	120 °C	
3.0 mm	120 °C	

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Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C

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