



# Component - Plastics

File Number: E85371

## LOTTE CHEMICAL CORPORATION

14F-16F Lotte World Tower 300 Olympic-ro Songpa-gu, Seoul 05551 KR



## HOPELEX: PC-1220U(@)(f1)

Polycarbonate (PC), pellets

(@) - May be replaced by R or L

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

Flammability	Value	Test Method
Flame Rating		UL 94
1.6 mm, NC	V-2	IEC 60695-11-10, -20
3.2 mm, NC	V-2	
Glow Wire Flammability Index		IEC 60695-2-12
1.6 mm	850 °C	
3.2 mm	850 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.6 mm	900 °C	
3.2 mm	875 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.6 mm	PLC 3	
3.2 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
1.6 mm	PLC 0	
3.2 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
1.6 mm	130 °C	
3.2 mm	130 °C	
RTI Imp		UL 746
1.6 mm	125 °C	
3.2 mm	130 °C	
RTI Str		UL 746
1.6 mm	125 °C	
3.2 mm	130 °C	
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C

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