



# Component - Plastics

File Number: E67171

LG CHEMICAL LTD

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



Lupox, Lutrel: GP-2150

Polybutylene Terephthalate (PBT), pellets

Flammability	Value	Test Method
Flame Rating		
1.50 mm, ALL	HB	UL 94
3.30 mm, ALL	HB	UL 94
3.30 mm, ALL	HB40	IEC 60695-11-10, -20
1.50 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.50 mm	PLC 2	
3.30 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
1.50 mm	PLC 0	
3.30 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 1	UL 746
Dielectric Strength	25 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+17 ohm·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.710 mm	140 °C	
1.50 mm	140 °C	
3.30 mm	140 °C	
RTI Imp		UL 746
0.710 mm	130 °C	
1.50 mm	130 °C	
3.30 mm	130 °C	
RTI Str		UL 746
0.710 mm	140 °C	
1.50 mm	140 °C	
3.30 mm	140 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796

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