



Component - Plastics

File Number: E67171

LG CHEMICAL LTD

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



Lupox, Lutrel: GP-2300(#)

Polybutylene Terephthalate (PBT), pellets

(#) - May be followed by optional suffix letter from A-Z incl., except F, and except Grades AF302G, HT700B, XR401B, LI912A, AF303G, AF303S, XR404T, XR407D, XR407E, HF380X.

Flammability	Value	Test Method
Flame Rating		
0.710 mm, ALL	HB	UL 94
1.50 mm, ALL	HB	UL 94
3.30 mm, ALL	HB	UL 94
3.30 mm, ALL	HB40	IEC 60695-11-10, -20
0.710 mm, ALL	HB75	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
0.710 mm	PLC 3	
1.50 mm	PLC 2	
3.30 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.710 mm	PLC 0	
1.50 mm	PLC 0	
3.30 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	28 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+16 ohm·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	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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