



Component - Plastics

File Number: E67171

LG CHEMICAL LTD

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



Lupox or Lutrel: LUPOX GP-1000, LUPOX GP-1000(Z)

Polybutylene Terephthalate (PBT), pellets

(Z) - May be replaced by one, two, or three numbers and/or letter(s), except F, FF, FH.

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
1.50 mm	PLC 4	
3.30 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
1.50 mm	PLC 0	
3.30 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	23 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 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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