



# Component - Plastics

File Number: E67171

LG CHEMICAL LTD

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



Lupox, Lutrel: LUPOX GP-1006F(#)

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		UL 94
0.550 mm, ALL	V-0	IEC 60695-11-10, -20
0.710 mm, ALL	V-0	
1.50 mm, ALL	V-0	
3.00 mm, ALL	V-0, 5VA	
Glow Wire Flammability Index		IEC 60695-2-12
0.550 mm	960 °C	
0.710 mm	960 °C	
1.50 mm	960 °C	
3.00 mm	960 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.550 mm	PLC 4	
0.710 mm	PLC 4	
1.50 mm	PLC 3	
3.00 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
0.550 mm	PLC 0	
0.710 mm	PLC 3	
1.50 mm	PLC 0	
3.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	20 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Volume Resistivity	1.0E+13 ohm·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.550 mm	75.0 °C	
0.710 mm	130 °C	
1.50 mm	130 °C	
3.00 mm	130 °C	
RTI Imp		UL 746
0.550 mm	75.0 °C	
0.710 mm	130 °C	
1.50 mm	130 °C	
3.00 mm	130 °C	

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Thermal	Value	Test Method
RTI Str		UL 746
0.550 mm	75.0 °C	
0.710 mm	140 °C	
1.50 mm	140 °C	
3.00 mm	140 °C	
Ball Pressure Test (125°C, 3.00 mm)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Dimensional Stability	0.20 %	ASTM D1042 ISO 2796

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