



# Component - Plastics

File Number: E353371

LG CHEM POLAND SP Z OO  
UL LG 3 BISKUPICE PODGORNE  
KOBIERZYCE, 55-040 Poland



## Lupox, Lutrel: HV-1010, LUPOX HV1010(#)

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		
0.8 mm, ALL	HB	UL 94
1.5 mm, ALL	HB	UL 94
3.3 mm, ALL	HB	UL 94
3.3 mm, ALL	HB40	IEC 60695-11-10, -20
0.8 mm, ALL	HB75	IEC 60695-11-10, -20
1.5 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 4	
3.3 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 0	
3.3 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	23 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Volume Resistivity	1.0E+17 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.8 mm	130 °C	
1.5 mm	130 °C	
3.3 mm	130 °C	
RTI Imp		UL 746B
0.8 mm	120 °C	
1.5 mm	120 °C	
3.3 mm	120 °C	
RTI Str		UL 746B
0.8 mm	140 °C	
1.5 mm	140 °C	
3.3 mm	140 °C	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042 ISO 2796