

UL Product iQ™

LUPOY GP1004(m)(f1) - PLASTICS -  
COMPONENT

## PLASTICS - COMPONENT

File Number: E67171

Yellow Card® 

## COMPANY

LG CHEM LTD  
20 YOIDO-DONG  
YONGDUNGPO-GU  
SEOUL, 150-721 Republic of Korea

## MODEL INFO

Lupoy: LUPOY GP1004(m)(f1)

Polycarbonate (PC) , furnished as pellets

--(f1) Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

--(m) May be followed by 1 or 2 suffix letters from A-Z incl., except F, FF, FH.

FLAMMABILITY PROPERTIES	NOMINAL VALUE	TEST METHOD
Flammability		ANSI/UL 94, IEC 60695-11-10
0.5 mm, Color: ALL	V-2	
1.6 mm, Color: ALL	V-2	
2.5 mm, Color: ALL	V-2	
3.0 mm, Color: ALL	V-2	
ELECTRICAL PROPERTIES	NOMINAL VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
1.6 mm	2 PLC	

2.5 mm	2 PLC	
3.0 mm	2 PLC	
High Amp Arc Ignition (HAI)		UL 746A
1.6 mm	0 PLC	
2.5 mm	0 PLC	
3.0 mm	0 PLC	
Comparative Tracking Index (CTI)	3 PLC	UL 746
Dielectric Strength	12 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	2 PLC	
Volume Resistivity	1.0E+15 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	5 PLC	

THERMAL PROPERTIES	NOMINAL VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.5 mm	80 °C	
1.6 mm	120 °C	
2.5 mm	120 °C	
3.0 mm	120 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.5 mm	80 °C	
1.6 mm	105 °C	
2.5 mm	105 °C	
3.0 mm	110 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.5 mm	80 °C	
1.6 mm	120 °C	
2.5 mm	120 °C	
3.0 mm	120 °C	

PHYSICAL PROPERTIES	NOMINAL VALUE	TEST METHOD
Dimensional Stability	0.0 %	ASTM D1042/ISO 2796
UV Exposure & Water Immersion	f1	UL 746C

Report Date: 2001-11-29  
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