

Lupox® GP2156FL

Polybutylene Terephthalate

LG Chem Ltd.

Message:

Description

Flame Retardant, General Purpose

Applications

IT/OA, E&E, Automotive

General Information			
UL YellowCard	E302314-530021	E67171-248572	E248280-322189
Features	Flame Retardant		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	17	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 1.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.080	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	93.2	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	3.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	5100	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	137	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	190	°C	ASTM D648
Peak Melting Temperature	223	°C	ASTM D3418
RTI Elec	130	°C	UL 746
RTI Imp	130	°C	UL 746
RTI Str	130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Dielectric Strength (1.00 mm)	26	kV/mm	ASTM D149
Arc Resistance	PLC 7		ASTM D495
Comparative Tracking Index (CTI) ⁵	PLC 3		UL 746
Comparative Tracking Index (Solution A)	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

0.710 mm	V-0	
1.50 mm	V-0	
3.30 mm	V-0	
Injection	Nominal Value	Unit
Drying Temperature	110 to 120	°C
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	240 to 245	°C
Middle Temperature	245 to 250	°C
Front Temperature	250 to 255	°C
Nozzle Temperature	250 to 260	°C
Processing (Melt) Temp	250 to 260	°C
Mold Temperature	40.0 to 80.0	°C
NOTE		
1.	5.0 mm/min	
2.	5.0 mm/min	
3.	1.3 mm/min	
4.	1.3 mm/min	
5.	Solution A	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT