

Lupox® GP2306FS

Polybutylene Terephthalate

LG Chem Ltd.

Message:

Description
Flame Retardant, Anti-Hydrolysis
Application
IT/OA, E&E(Connector)

General Information			
UL YellowCard	E248280-533893	E353371-101107257	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
	Hydrolysis Resistant		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 to 1.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	127	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	2.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	9120	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	210	°C	ASTM D648
Peak Melting Temperature	223	°C	ASTM D3418
RTI Elec	140	°C	UL 746
RTI Imp	140	°C	UL 746
RTI Str	140	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+17	ohms·cm	ASTM D257
Dielectric Strength (23°C, 1.00 mm)	28	kV/mm	ASTM D149
Arc Resistance	PLC 6		ASTM D495
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.710 mm	V-0	
1.50 mm	V-0	
3.00 mm	V-0	
Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	4.0 to 5.0	hr
Suggested Max Moisture	< 0.020	%
Rear Temperature	235 to 250	°C
Middle Temperature	240 to 250	°C
Front Temperature	245 to 255	°C
Nozzle Temperature	245 to 255	°C
Processing (Melt) Temp	245 to 255	°C
Mold Temperature	60.0 to 100	°C
NOTE		
1.	5.0 mm/min	
2.	5.0 mm/min	
3.	1.3 mm/min	
4.	1.3 mm/min	

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

