

Lupox® GP2076F

Polybutylene Terephthalate

LG Chem Ltd.

Message:

Description
Flame Retardant, General Purpose
Application
IT/OA, Automotive (Connector)

General Information			
UL YellowCard	E302314-530021	E67171-248570	E248280-322189
	E353371-101107256		
Filler / Reinforcement	Glass fiber reinforced material, 7.0% filler by weight		
Additive	Flame retardancy		
Features	Flame retardancy		
Uses	Connector		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (265°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 - 1.2	%	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)	68.6	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	4.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	3290	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	106	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	31	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	160	°C	ASTM D648
Peak Melting Temperature	223	°C	ASTM D3418
RTI Elec	130	°C	UL 746
RTI Imp	130	°C	UL 746
RTI	140	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength (23°C)	23	kV/mm	ASTM D149
Arc Resistance	PLC 6		ASTM D495
Comparative Tracking Index (CTI) ⁵	PLC 3		UL 746

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.710 mm, ALL	V-0		UL 94
1.50 mm, ALL	V-0		UL 94
3.00 mm, ALL	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110 - 120	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	235 - 240	°C	
Middle Temperature	240 - 245	°C	
Front Temperature	245 - 250	°C	
Nozzle Temperature	245 - 255	°C	
Processing (Melt) Temp	245 - 255	°C	
Mold Temperature	40.0 - 80.0	°C	
Injection instructions			
Minimum Moisture Content: 0.02%			
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

