

Lusep® GP4600

Polyphenylene Sulfide

LG Chem Ltd.

Message:

Lusep® GP4600 is a Polyphenylene Sulfide (PPS) material filled with 60% glass\mineral. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Lusep® GP4600: Flame Rated.

Typical application of Lusep® GP4600: Engineering/Industrial Parts

General Information			
UL YellowCard	E67171-248636		
Filler / Reinforcement	Glass\Mineral,60% Filler by Weight		
Features	General Purpose		
Uses	Pump Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.89	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 3.20 mm)	118	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	1.0 to 2.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	16900	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	177	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 250	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	280 to 300	°C	
Middle Temperature	290 to 310	°C	
Front Temperature	300 to 320	°C	
Nozzle Temperature	310 to 330	°C	
Processing (Melt) Temp	300 to 330	°C	
Mold Temperature	120 to 150	°C	
Screw Speed	< 100	rpm	

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



WECHAT