

Lusep® GP2400

Polyphenylene Sulfide

LG Chem Ltd.

Message:

Description

General Purpose

Application

Pump Units, Motor Units, etc.

General Information			
UL YellowCard	E67171-248635		
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	General Purpose		
Uses	Pump Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.65	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)	152	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	1.0 to 2.0	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	11800	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	226	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (0.45 MPa, Unannealed, 6.40 mm)	> 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	300	°C	
Middle Temperature	310	°C	
Front Temperature	320	°C	
Nozzle Temperature	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
5.	4.6kg

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