

OP - PPS 30GF

Polyphenylene Sulfide

Oxford Polymers

Message:

OP - PPS 30GF is a Polyphenylene Sulfide (PPS) material filled with 30% glass fiber. It is available in North America for injection molding. Primary attribute of OP - PPS 30GF: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	117	MPa	
Break	117	MPa	
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	263	°C	
1.8 MPa, Unannealed, 3.18 mm	254	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	V-0		
3.18 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	93.3 to 121	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	288 to 316	°C	
Middle Temperature	288 to 307	°C	
Front Temperature	288 to 307	°C	
Processing (Melt) Temp	293 to 321	°C	
Mold Temperature	135 to 177	°C	

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Recommended distributors for this material

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