

OP - PSU 30GF

Polysulfone
Oxford Polymers

Message:

OP - PSU 30GF is a Polysulfone (PSU) material filled with 30% glass fiber. It is available in North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.15 to 0.18	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	102	MPa	
Break	102	MPa	
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	188	°C	
1.8 MPa, Unannealed, 3.18 mm	182	°C	
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	321 to 343	°C	
Middle Temperature	327 to 354	°C	
Front Temperature	316 to 349	°C	
Processing (Melt) Temp	332 to 349	°C	
Mold Temperature	104 to 138	°C	

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Recommended distributors for this material

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