

OP - PSU 20GF

Polysulfone
Oxford Polymers

Message:

OP - PSU 20GF is a Polysulfone (PSU) material filled with 20% glass fiber. It is available in North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.16 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	94.8	MPa	
Break	94.8	MPa	
Flexural Modulus	5520	MPa	ASTM D790
Flexural Strength	141	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	80	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	181	°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	

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

