

OP - PPO PPOX-20GF

Polyphenylene Ether + PS

Oxford Polymers

Message:

OP-PPO PPOX-20GF is a polyphenylene ether + PS (PPE + PS) material, and its filler is 20% glass fabric reinforcement. This product is available in North America and is processed by injection molding. The main characteristics of OP-PPO PPOX-20GF are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fabric reinforced material, 20% filler by weight		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (315°C/5.0 kg)	2.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	89.6	MPa	ASTM D638
Fracture	93.1	MPa	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	124	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, 3.18mm	138	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	132	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	HB		UL 94
3.18 mm	HB		UL 94
Additional Information			
Melt Mass -Flow Rate (MFR), ASTM D1238, 315°C/ 5.0kg: 1 to 4 g/10 min			
Injection	Nominal Value	Unit	
Drying Temperature	104 - 110	°C	
Drying Time	3.0 - 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	260 - 304	°C	
Middle Temperature	271 - 310	°C	
Front Temperature	282 - 316	°C	

Processing (Melt) Temp	288 - 316	°C
Mold Temperature	71.1 - 104	°C

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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

