

OP - PEI 10GF

Polyether Imide

Oxford Polymers

Message:

OP-PEI 10GF is a polyetherimide (PEI) material, and the filler is 10% glass fiber reinforced material. This product is available in North America and is processed by injection molding. The main characteristics of OP-PEI 10GF are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	14	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	114	MPa	ASTM D638
Fracture	114	MPa	ASTM D638
Flexural Modulus	4480	MPa	ASTM D790
Flexural Strength	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	207	°C	ASTM D648
1.8 MPa, not annealed	204	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	V-0		UL 94
3.18 mm	V-0		UL 94
Additional Information			
Melt Mass - Flow Rate (MFR), ASTM D1238, 190°C/ 2.16kg: 5 to 22 g/10min			
Injection	Nominal Value	Unit	
Drying Temperature	143 - 149	°C	
Drying Time	4.0 - 6.0	hr	
Drying Time, Maximum	24	hr	
Rear Temperature	332 - 399	°C	
Middle Temperature	338 - 399	°C	
Front Temperature	343 - 399	°C	

Processing (Melt) Temp	338 - 399	°C
Mold Temperature	107 - 177	°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

