

OP - PC/PEI 10GF

Polyether Imide + PC

Oxford Polymers

Message:

OP - PC/PEI 10GF is a Polyether Imide + PC (PEI+PC) material filled with 10% glass fiber. It is available in North America for injection molding. Primary attribute of OP - PC/PEI 10GF: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	103	MPa	
Break	103	MPa	
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	191	°C	
1.8 MPa, Unannealed	182	°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	107 to 121	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	316 to 338	°C	
Middle Temperature	321 to 343	°C	
Front Temperature	327 to 349	°C	
Processing (Melt) Temp	316 to 343	°C	
Mold Temperature	93.3 to 149	°C	

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Recommended distributors for this material

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