

OP - PC - Filled PC 20CCF

Polycarbonate

Oxford Polymers

Message:

OP - PC - Filled PC 20CCF is a Polycarbonate (PC) material filled with 20% carbon fiber. It is available in North America for injection molding.

Important attributes of OP - PC - Filled PC 20CCF are:

Flame Rated

Conductive

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Features	Conductive		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	145	MPa	
Break	145	MPa	
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	214	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	154	°C	
1.8 MPa, Unannealed, 3.18 mm	146	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	HB		
3.18 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	282 to 288	°C	
Middle Temperature	282 to 293	°C	
Front Temperature	282 to 293	°C	
Processing (Melt) Temp	299 to 316	°C	

Mold Temperature

82.2 to 116

°C

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Recommended distributors for this material

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