

OP - PC - Filled 30CF

Polycarbonate
Oxford Polymers

Message:

OP - PC - Filled 30CF is a Polycarbonate (PC) material filled with 30% carbon fiber. It is available in North America for injection molding.
Important attributes of OP - PC - Filled 30CF are:
Good Mold Release
Mold Release Agent

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Additive	Mold Release		
Features	Good Mold Release		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Water Absorption (Saturation)	0.12	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	164	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	245	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	93	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	149	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	302 to 316	°C	
Middle Temperature	316 to 332	°C	
Front Temperature	310 to 327	°C	
Nozzle Temperature	310 to 327	°C	
Processing (Melt) Temp	304 to 327	°C	
Mold Temperature	71.1 to 87.8	°C	

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Recommended distributors for this material

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