

OP - PC - Filled/Lubricated 15 PTFE-30GF

Polycarbonate
Oxford Polymers

Message:

OP - PC - Filled/Lubricated 15 PTFE-30GF is a Polycarbonate (PC) material filled with 30% glass fiber. It is available in North America for injection molding. Important attributes of OP - PC - Filled/Lubricated 15 PTFE-30GF are:
Good Mold Release
Lubricated
Mold Release Agent

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Mold Release		
	PTFE Lubricant (15%)		
Features	Good Mold Release		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Water Absorption (Saturation)	0.14	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	117	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	148	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	143	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	288 to 299	°C	
Middle Temperature	288 to 299	°C	
Front Temperature	299 to 316	°C	
Nozzle Temperature	299 to 316	°C	

Processing (Melt) Temp	299 to 327	°C
Mold Temperature	82.2 to 116	°C

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Recommended distributors for this material

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