

OP - Acetal 20GF

Acetal (POM) Copolymer

Oxford Polymers

Message:

OP - Acetal 20GF is an Acetal (POM) Copolymer material filled with 20% glass fiber. It is available in North America for injection molding.

Important attributes of OP - Acetal 20GF are:

Good Mold Release

Heat Stabilizer

Lubricated

Mold Release Agent

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
	Lubricant		
	Mold Release		
Features	Good Mold Release		
	Heat Stabilized		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	2.2	%	ASTM D955
Water Absorption (Saturation)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	79.3	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	107	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	157	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0	hr	
Rear Temperature	177 to 199	°C	

Middle Temperature	182 to 204	°C
Front Temperature	188 to 210	°C
Nozzle Temperature	188 to 210	°C
Processing (Melt) Temp	182 to 218	°C
Mold Temperature	79.4 to 107	°C

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Recommended distributors for this material

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