

OP - Acetal H-Acetal 20PTFE

Acetal (POM) Homopolymer
Oxford Polymers

Message:

OP - Acetal H-Acetal 20PTFE is an Acetal (POM) Homopolymer material filled with 20% ptfе fiber. It is available in North America for injection molding. Important attributes of OP - Acetal H-Acetal 20PTFE are:
Flame Rated
Homopolymer

General Information			
Filler / Reinforcement	PTFE Fiber,20% Filler by Weight		
Features	Homopolymer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	41.4	MPa	
Break	42.7	MPa	
Tensile Elongation (Break)	13	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength	65.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	110	°C	
1.8 MPa, Unannealed, 3.18 mm	98.9	°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	177 to 199	°C	
Middle Temperature	182 to 204	°C	
Front Temperature	188 to 210	°C	

Processing (Melt) Temp	182 to 218	°C
Mold Temperature	79.4 to 107	°C

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