

HiFill® POM HO GF15

Acetal (POM) Homopolymer

Techmer Engineered Solutions

Message:

HiFill® POM HO GF15 is an Acetal (POM) Homopolymer product filled with glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Homopolymer

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Homopolymer		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	88.3	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	5310	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	154	°C	
1.8 MPa, Unannealed	131	°C	
Melting Temperature	165	°C	
CLTE - Flow	7.9E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.57 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	193 to 218	°C	
Middle Temperature	193 to 218	°C	

Front Temperature	193 to 218	°C
Processing (Melt) Temp	193 to 227	°C
Mold Temperature	82.2 to 104	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	30 to 60	rpm

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Recommended distributors for this material

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