

InStruc® POMHGF13MD

Americhem - Acetal (POM) Homopolymer

General Information

Product Description

13% GLASS FIBER REINFORCED HOMOPOLYMER ACETAL FOR HEALTHCARE APPLICATIONS.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 13% Filler by Weight
Features	• Filled • Good Dimensional Stability • High Stiffness • High Strength
Uses	• Closures • Electrical/Electronic Applications • Engineering Parts • Medical/Healthcare Applications
Forms	• Pellets
Processing Method	• Injection Molding

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.51		ASTM D792
Molding Shrinkage - Flow	4.0E-3 to 8.0E-3	in/in	ASTM D955
Mechanical			
Tensile Modulus	730000	psi	ASTM D638
Tensile Strength	7700	psi	ASTM D638
Tensile Elongation (Yield)	6.0 to 8.0	%	ASTM D638
Flexural Modulus	680000	psi	ASTM D790
Flexural Strength	8800	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	0.90	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	315	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+15	ohms	ASTM D257

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	180	°F
Drying Time	4.0	hr
Processing (Melt) Temp	375 to 410	°F
Mold Temperature	200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	30 to 60	rpm

