

**InStruc® POMCGB20**

Americhem - Acetal (POM) Copolymer

## General Information

**Product Description**

20% GLASS BEAD FILLED COPOLYMER ACETAL

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Bead, 20% Filler by Weight		
Features	• Filled	• Good Dimensional Stability	
Uses	• Closures	• Engineering Parts	• Office Automation Equipment
	• Consumer Applications	• Household Goods	• Window & Door Components
	• Electrical/Electronic Applications	• Industrial Applications	
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.54		ASTM D792
Molding Shrinkage - Flow	0.015 to 0.020	in/in	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength	6400	psi	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	465000	psi	ASTM D790
Flexural Strength	10500	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (0.125 in)	0.80	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	7.5	ft·lb/in	ASTM D4812
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	225	°F	ASTM D648
<b>Electrical</b>			
Surface Resistivity	1.0E+17	ohms	ASTM D257

## Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	180	°F
Drying Time	4.0	hr
Processing (Melt) Temp	390 to 410	°F
Mold Temperature	180 to 220	°F
Back Pressure	50.0 to 100	psi
Screw Speed	30 to 60	rpm
Vent Depth	5.0E-4 to 1.0E-3	in

