

InStruc® POMCGF15GFM15UV

Americhem - Acetal (POM) Copolymer

General Information
Product Description

InStruc POMCGF15GFM15UV is a POM copolymer containing 15% glass fiber and 15% milled glass fiber. This material offers resistance to creep and fatigue, resistance to solvents, and a good mix of mechanical properties. This grade is also UV stabilized. This datasheet covers all colors of InStruc POMCGF15GFM15UV

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight	• Milled Glass Fiber, 15% Filler by Weight	
Additive	• UV Stabilizer		
Features	• Filled • Good Dimensional Stability	• High Stiffness • High Strength	• UV Stabilized
Uses	• Closures • Consumer Applications • Electrical/Electronic Applications	• Engineering Parts • Household Goods • Industrial Applications	• Office Automation Equipment • Outdoor Applications • Window & Door Components
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.60		ASTM D792
Molding Shrinkage - Flow	4.0E-3 to 8.0E-3	in/in	ASTM D955
Mechanical			
Tensile Modulus	1.15E+6	psi	ASTM D638
Tensile Strength (Yield)	15000	psi	ASTM D638
Tensile Elongation (Yield)	2.0 to 4.0	%	ASTM D638
Flexural Modulus	1.00E+6	psi	ASTM D790
Flexural Strength (Yield)	14000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	1.1 to 1.3	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	325	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+17	ohms	ASTM D257
Flammability			
Flame Rating (0.06 in)	HB		UL 94

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

