

**InLube® POMCGF15TF10MD**

Americhem - Acetal (POM) Copolymer

## General Information

**Product Description**

15% GLASS FIBER REINFORCED 10% PTFE LUBRICATED COPOLYMER ACETAL LOCKED FORMULATION FOR MEDICAL USAGE

**General**

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Additive	• PTFE Lubricant: 10%
Features	• Autoclave Sterilizable • Good Mold Release • Lubricated • Chemical Resistant • Heat Sterilizable • Steam Sterilizable • Ethylene Oxide Sterilizable • High Stiffness • Wear Resistant • Filled • High Strength • Good Dimensional Stability • Low Friction
Uses	• Electrical/Electronic Applications • Medical/Healthcare Applications • Engineering Parts • Surgical Instruments
Forms	• Pellets
Processing Method	• Injection Molding

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.57		ASTM D792
Molding Shrinkage - Flow	5.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	710000	psi	ASTM D638
Tensile Strength	12000	psi	ASTM D638
Tensile Elongation (Yield)	3.0 to 5.0	%	ASTM D638
Flexural Modulus	660000	psi	ASTM D790
Flexural Strength	18500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.4	ft-lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	10	ft-lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	300	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		ASTM D635

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	250	°F
Drying Time	2.0	hr
Dew Point	-25	°F
Suggested Max Moisture	0.15	%
Processing (Melt) Temp	360 to 425	°F
Mold Temperature	175 to 225	°F
Injection Pressure	10000 to 15000	psi

