

InLube® POMCGF15TF15

Americhem - Acetal (POM) Copolymer

General Information
Product Description

15% GLASS FIBER REINFORCED 15% PTFE LUBRICATED COPOLYMER ACETAL

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: 15%		
Features	• Chemical Resistant	• Good Mold Release	• Low Friction
	• Filled	• High Stiffness	• Lubricated
	• Good Dimensional Stability	• High Strength	• Wear Resistant
Uses	• Consumer Applications	• Engineering Parts	• Industrial Applications
	• Electrical/Electronic Applications	• Household Goods	• Office Automation Equipment
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.60		ASTM D792
Molding Shrinkage - Flow	5.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	730000	psi	ASTM D638
Tensile Strength	12000	psi	ASTM D638
Tensile Elongation (Yield)	3.0 to 5.0	%	ASTM D638
Flexural Modulus	680000	psi	ASTM D790
Flexural Strength	18500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.2	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

