

InLube® POMCGF10TF20

Americhem - Acetal (POM) Copolymer

General Information
Product Description

10% GLASS FIBER REINFORCED 20% PTFE LUBRICATED COPOLYMER ACETAL

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight		
Additive	• PTFE Lubricant: 20%		
Features	• Chemical Resistant • Filled • Good Dimensional Stability	• Good Mold Release • High Stiffness • High Strength	• Low Friction • Lubricated • Wear Resistant
Uses	• Consumer Applications • Electrical/Electronic Applications	• Engineering Parts • Household Goods	• Industrial Applications • 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	6.0E-3 to 0.010	in/in	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	650000	psi	ASTM D638
Tensile Strength	10000	psi	ASTM D638
Tensile Elongation (Yield)	2.0 to 4.0	%	ASTM D638
Flexural Modulus	600000	psi	ASTM D790
Flexural Strength	14000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.0	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	6.5	ft·lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	290	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
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
Vent Depth	5.0E-4 to 1.0E-3	in

