

InLube® POMCAF5TF10SI2

Americhem - Acetal (POM) Copolymer

General Information
Product Description

5% ARAMID FIBER REINFORCED, 10% PTFE, AND 2% SILICONE LUBRICATED ACETAL COPOLYMER

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Aramid Fiber, 5.0% Filler by Weight		
Additive	• PTFE Lubricant: 10%	• Silicone Lubricant: 2%	
Features	• Chemical Resistant	• Low Friction	• Wear Resistant
	• Good Mold Release	• Lubricated	
Uses	• Consumer Applications	• Engineering Parts	• Office Automation Equipment
	• Electrical/Electronic Applications	• Industrial Applications	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.44		ASTM D792
Molding Shrinkage - Flow	0.015 to 0.020	in/in	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	400000	psi	ASTM D638
Tensile Strength	7200	psi	ASTM D638
Tensile Elongation (Yield)	7.0 to 12	%	ASTM D638
Flexural Modulus	380000	psi	ASTM D790
Flexural Strength	10000	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)	11	ft·lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	285	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Processing (Melt) Temp	360 to 420	°F
Mold Temperature	180 to 220	°F
Back Pressure	25.0 to 50.0	psi
Screw Speed	30 to 60	rpm
Vent Depth	5.0E-4 to 1.0E-3	in

