

InLube® POMCAF15

Americhem - Acetal (POM) Copolymer

General Information
Product Description

15% ARAMID FIBER REINFORCED ACETAL COPOLYMER

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Aramid Fiber, 15% Filler by Weight		
Features	• Low Friction	• Lubricated	• Wear Resistant
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	1.41		ASTM D792
Molding Shrinkage - Flow	0.012 to 0.015	in/in	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	550000	psi	ASTM D638
Tensile Strength	10000	psi	ASTM D638
Tensile Elongation (Yield)	5.0 to 10	%	ASTM D638
Flexural Modulus	540000	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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	295	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Processing (Melt) Temp	380 to 410	°F
Mold Temperature	180 to 220	°F
Back Pressure	25.0 to 50.0	psi
Screw Speed	30 to 60	rpm

