

InLube® POMCGF5TF8SI2

Americhem - Acetal (POM) Copolymer

General Information
Product Description

InLube POMCGF5TF8SI2 is a 5% glass fiber reinforced POMC with 8% PTFE and 2% silicone lubrication. InLube POMCGF5TF8SI2 offers lubrication properties for low friction in sliding and wear applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber, 5.0% Filler by Weight		
Additive	• PTFE Lubricant: 8%	• Silicone Lubricant: 2%	
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	1.47		ASTM D792
Molding Shrinkage - Flow	9.0E-3 to 0.011	in/in	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	360000	psi	ASTM D638
Tensile Strength	7000	psi	ASTM D638
Tensile Elongation (Yield)	4.0 to 7.0	%	ASTM D638
Flexural Modulus	320000	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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	255	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+17	ohms	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

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	40 to 70	rpm
Vent Depth	5.0E-4 to 1.0E-3	in

