

InLube® POMHSI2

Americhem - Acetal (POM) Homopolymer

General Information

Product Description

2% SILICONE LUBRICATED ACETAL HOMOPOLYMER

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Silicone Lubricant: 2%		
Features	• Low Friction	• Lubricated	
Uses	• Consumer Applications • Electrical/Electronic Applications	• Engineering Parts • Household Goods	• Industrial Applications • Office Automation Equipment
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.41		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018 to 0.023	in/in	
Water Absorption (Equilibrium)	0.20	%	ASTM D570
Mechanical			
Tensile Strength (Break)	7600	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	390000	psi	ASTM D790
Impact			
Notched Izod Impact	1.8	ft·lb/in	ASTM D256
Unnotched Izod Impact	11 to 13	ft·lb/in	ASTM D4812
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	220	°F	ASTM D648
Electrical			
Surface Resistivity	> 1.0E+15	ohms	ASTM D257

Processing Information

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

