

InLube® POMCSi2

Americhem - Acetal (POM) Copolymer

General Information
Product Description

Polyoxymethylene (Acetal) Copolymer with 2% Silicone Lubricant

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	1.40		ASTM D792
Molding Shrinkage - Flow	0.018 to 0.020	in/in	ASTM D955
Mechanical			
Tensile Modulus	425000	psi	ASTM D638
Tensile Strength	9100	psi	ASTM D638
Tensile Elongation (Yield)	5.0 to 15	%	ASTM D638
Flexural Modulus	395000	psi	ASTM D790
Flexural Strength	12000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	1.0	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	212	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	400 to 430	°F
Mold Temperature	200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	30 to 60	rpm

