

InLube® POMCSI2FCMD

Americhem - Acetal (POM) Copolymer

General Information
Product Description

InLube POMCSI2FCMD is acetal copolymer with silicone additive that is safe for food contact. This is a locked medical formula.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Silicone Lubricant: 2%		
Features	• Autoclave Sterilizable • Ethylene Oxide Sterilizable • Food Contact Acceptable	• Heat Sterilizable • Low Friction • Lubricated	• Steam Sterilizable
Uses	• Electrical/Electronic Applications • Engineering Parts	• Medical/Healthcare Applications • Surgical Instruments	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.40		ASTM D792
Molding Shrinkage - Flow	0.020 to 0.030	in/in	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical			
Tensile Modulus	400000	psi	ASTM D638
Tensile Strength	7800	psi	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	380000	psi	ASTM D790
Flexural Strength	10500	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	1.6	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ASTM D648
Electrical			
Surface Resistivity	> 1.0E+14	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	40 to 70	rpm

