

InLube® POMCTF25

Americhem - Acetal (POM) Copolymer

General Information
Product Description

25% PTFE LUBRICATED ACETAL COPOLYMER

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• PTFE Lubricant: 25%		
Features	• Chemical Resistant	• Low Friction	• Wear Resistant
	• Good Mold Release	• Lubricated	
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	1.54		ASTM D792
Molding Shrinkage - Flow	0.018 to 0.023	in/in	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	370000	psi	ASTM D638
Tensile Strength	6300	psi	ASTM D638
Tensile Elongation (Break)	12 to 16	%	ASTM D638
Flexural Modulus	430000	psi	ASTM D790
Flexural Strength	11300	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.70	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	190	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+17	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Processing (Melt) Temp	390 to 410	°F
Mold Temperature	180 to 220	°F
Back Pressure	25.0 to 50.0	psi
Screw Speed	30 to 60	rpm

