

**InLube® POMHTF13**

Americhem - Acetal (POM) Homopolymer

## General Information

**Product Description**

13% PTFE LUBRICATED ACETAL HOMOPOLYMER

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• PTFE Lubricant: 13%		
Features	• Chemical Resistant • Good Mold Release	• Low Friction • Lubricated	• Wear Resistant
Uses	• Consumer Applications • Electrical/Electronic Applications	• Engineering Parts • Household Goods	• Industrial Applications • Office Automation Equipment
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.49		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018 to 0.023	in/in	ASTM D955
Water Absorption (Equilibrium)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	400000	psi	ASTM D638
Tensile Strength (Break)	7800	psi	ASTM D638
Tensile Elongation (Break)	> 10	%	ASTM D638
Flexural Modulus	380000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.1	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	260	°F	ASTM D648

## 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

