

**InLube® PEITF15HF**

Americhem - Polyetherimide

**General Information**
**Product Description**

15% PTFE LUBRICATED, HIGH FLOW POLYETHERIMIDE

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• PTFE Lubricant: 15%		
Features	• Chemical Resistant	• High Flow	• Lubricated
	• Good Mold Release	• Low Friction	• Wear Resistant
Uses	• Aerospace Applications	• Engineering Parts	• Military/Defense Applications
	• Connectors	• Industrial Applications	• Oil/Gas Applications
	• Consumer Applications	• Industrial Parts	• Outdoor Applications
	• Electrical/Electronic Applications	• Metal Replacement	• Semiconductor Applications
Forms	• Pellets		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.35		ASTM D792
Molding Shrinkage - Flow	6.0E-3 to 0.011	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Modulus	400000	psi	ASTM D638
Tensile Strength	12800	psi	ASTM D638
Tensile Elongation (Yield)	6.0 to 7.0	%	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Flexural Strength	17000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (0.125 in)	0.70	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	8.0	ft·lb/in	ASTM D4812
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	390	°F	ASTM D648
<b>Electrical</b>			
Surface Resistivity	1.0E+17	ohms	

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	300	°F
Drying Time	4.0	hr
Processing (Melt) Temp	680 to 715	°F
Mold Temperature	300	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

