

**InLube® POKGF20TF5HF**

Americhem - Polyketone

## General Information

**Product Description**

20% GLASS FIBER REINFORCED, 5% PTFE LUBRICATED POLYKETONE

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight	• PTFE, 5.0% Filler by Weight	
Features	• Filled • Good Dimensional Stability	• High Stiffness • High Strength	
Uses	• Closures • Connectors • Consumer Applications	• Electrical/Electronic Applications • Household Goods • Industrial Applications	• Industrial Parts
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.42		ASTM D792
Molding Shrinkage - Flow	2.0E-3 to 3.0E-3	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Modulus	750000	psi	ASTM D638
Tensile Strength	15500	psi	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	675000	psi	ASTM D790
Flexural Strength	22000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact	2.4	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	410	°F	ASTM D648

## Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	170	°F
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	450 to 480	°F
Mold Temperature	140 to 180	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

