

InStruc® POKGF15

Americhem - Polyketone

General Information
Product Description

15% GLASS FIBER REINFORCED POLYKETONE

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 15% 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 ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Molding Shrinkage - Flow	2.0E-3 to 3.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	750000	psi	ASTM D638
Tensile Strength	16000	psi	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	650000	psi	ASTM D790
Flexural Strength	22500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.3	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	410	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
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

