

InStruc® PPEPAGF20

Americhem - Polyamide + PPE

General Information
Product Description

20% GLASS FIBER REINFORCED PPE + PA

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• Filled • Good Dimensional Stability	• High Stiffness • High Strength	
Uses	• Automotive Applications • Closures • Consumer Applications • Electrical/Electronic Applications	• Engineering Parts • Household Goods • Housings • Industrial Applications	• Industrial Parts • Office Automation Equipment • Outdoor Applications • Window & Door Components
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.24		ASTM D792
Molding Shrinkage - Flow	4.0E-3 to 6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
Mechanical			
Tensile Strength	22000	psi	ASTM D638
Flexural Modulus	875000	psi	ASTM D790
Flexural Strength	28000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	1.6	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	450	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+17	ohms	ASTM D257

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	200 to 220	°F
Drying Time	4.0	hr
Processing (Melt) Temp	540 to 580	°F
Mold Temperature	200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

