

InStruc® PCABSGF10

Americhem - Polycarbonate + ABS

General Information

Product Description

10% GLASS FIBER REINFORCED POLYCARBONATE/ABS ALLOY

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight		
Features	• Filled • Good Dimensional Stability	• High Stiffness • High Strength	
Uses	• Automotive Applications • Closures • Connectors • Consumer Applications	• Electrical/Electronic Applications • Engineering Parts • Household Goods • Housings	• Industrial Applications • Industrial Parts • Office Automation Equipment
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.25		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3 to 6.0E-3	in/in	
Mechanical			
Tensile Modulus	600000	psi	ASTM D638
Tensile Strength	12000	psi	ASTM D638
Tensile Elongation (Yield)	3.0 to 6.0	%	ASTM D638
Flexural Modulus	550000	psi	ASTM D790
Flexural Strength	17000	psi	ASTM D790
Impact			
Notched Izod Impact	2.0	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	285	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	200	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	475 to 510	°F
Mold Temperature	125 to 180	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

