

InStruc® PA66GB30FRHS

Americhem - Polyamide 66

General Information
Product Description

30% GLASS BEAD FILLED, FLAME RETARDANT, HEAT STABILIZED NYLON 6/6

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Bead, 30% Filler by Weight		
Additive	• Flame Retardant	• Heat Stabilizer	
Features	• Filled • Flame Retardant	• Good Dimensional Stability • Halogenated	• Heat Stabilized
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	1.55		ASTM D792
Molding Shrinkage - Flow	0.013 to 0.017	in/in	ASTM D955
Water Absorption (24 hr)	0.80	%	ASTM D570
Mechanical			
Tensile Strength	8900	psi	ASTM D638
Tensile Elongation (Yield)	1.0 to 3.0	%	ASTM D638
Flexural Modulus	575000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	0.60	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	170	°F	ASTM D648
Flammability			
Flame Rating (0.12 in)	V-0		UL 94

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	175	°F
Drying Time	4.0	hr
Processing (Melt) Temp	500 to 560	°F
Mold Temperature	200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

