

**InElec® PA6GF30AS**

Americhem - Polyamide 6

**General Information**
**Product Description**

30% GLASS FIBER REINFORCED, PERMANENTLY ANTI-STATIC NYLON 6

**General**

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Antistatic
Features	• Filled • Good Dimensional Stability • High Stiffness • High Strength • Permanent Antistatic
Uses	• Closures • Connectors • Consumer Applications • Electrical/Electronic Applications • Engineering Parts • Household Goods • Industrial Applications • Industrial Parts • Office Automation Equipment • Outdoor Applications
Forms	• Pellets
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.36		ASTM D792
Molding Shrinkage - Flow	2.0E-3 to 4.0E-3	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Modulus	1.10E+6	psi	ASTM D638
Tensile Strength	16500	psi	ASTM D638
Tensile Elongation (Yield)	3.2	%	ASTM D638
Flexural Modulus	950000	psi	ASTM D790
Flexural Strength	21500	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (0.125 in)	3.6	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	365	°F	ASTM D648
<b>Electrical</b>			
Surface Resistivity	1.0E+9 to 9.9E+10	ohms	ASTM D257

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	175	°F
Drying Time	4.0	hr
Processing (Melt) Temp	460 to 480	°F
Mold Temperature	180 to 200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

