

InElec® PA6AS

Americhem - Polyamide 6

General Information
Product Description

PERMANENTLY ANTI-STATIC NYLON 6

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antistatic		
Features	• 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 ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.15		ASTM D792
Molding Shrinkage - Flow	0.011 to 0.015	in/in	ASTM D955
Mechanical			
Tensile Strength	7800	psi	ASTM D638
Flexural Modulus	250000	psi	ASTM D790
Flexural Strength	10000	psi	ASTM D638
Impact			
Notched Izod Impact (0.125 in)	3.0	ft·lb/in	ASTM D256
Unnotched Izod Impact	17 to 21	ft·lb/in	ASTM D4812
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	150	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+9 to 1.0E+11	ohms	ASTM D257

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	175	°F
Drying Time	4.0	hr
Processing (Melt) Temp	425 to 475	°F
Mold Temperature	180	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

Injection Notes

Do not exceed melt temperature of 500° F

