

**InElec® PEASFC**

Americhem - Polyethylene

## General Information

**Product Description**

POLETHYLENE PERMANENTLY ANTI-STATIC FDA GRADE

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antistatic		
Features	• Food Contact Acceptable	• Permanent Antistatic	
Uses	• Closures • Connectors • Consumer Applications	• Electrical/Electronic Applications • Housings • HVAC Applications	• Industrial Applications • Industrial Parts
Agency Ratings	• FDA		
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.950		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.010 to 0.015	in/in	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3800	psi	ASTM D638
Flexural Modulus	135000	psi	ASTM D790
Flexural Strength	5500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.2	ft·lb/in	ASTM D256
Unnotched Izod Impact	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+12	ohms	ASTM D257

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	170	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	375	°F
Mold Temperature	100	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm
Vent Depth	5.0E-4 to 1.0E-3	in

