

InElec® PCAS

Americhem - Polycarbonate + AS

General Information
Product Description

PERMANANTLY ANTI-STATIC POLYCARBONATE

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Antistatic		
Features	• Permanent Antistatic		
Uses	• Automotive Applications	• Electrical/Electronic Applications	• Industrial Applications
	• Closures	• Engineering Parts	• Industrial Parts
	• Connectors	• Household Goods	• Office Automation Equipment
	• Consumer Applications	• Housings	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.19		ASTM D792
Molding Shrinkage - Flow	6.0E-3 to 8.0E-3	in/in	ASTM D955
Mechanical			
Tensile Strength	6500	psi	ASTM D638
Tensile Elongation (Yield)	> 20	%	ASTM D638
Flexural Modulus	270000	psi	ASTM D790
Flexural Strength	9000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	12	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	No Break		ASTM D4812
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	220	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+9 to 1.0E+11	ohms	ASTM D257

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	250	°F
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	430 to 470	°F
Mold Temperature	150 to 200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm
Extrusion		
Suggested Max Moisture	0.020	%

