

InElec® PPHF

Americhem - Polypropylene Copolymer

General Information

Product Description

ELECTRICALLY CONDUCTIVE, HIGH FLOW POLYPROPYLENE

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Carbon Black		
Features	• High Flow	• Permanent Antistatic	
Uses	• Closures • Connectors • Consumer Applications	• Electrical/Electronic Applications • Housings • HVAC Applications	• Industrial Applications • Industrial Parts
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.980		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.013 to 0.018	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	3600	psi	ASTM D638
Flexural Modulus	180000	psi	ASTM D790
Flexural Strength	4600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	9.0	ft·lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+7	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	170	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	380	°F
Mold Temperature	100	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

