

InStruc® PPMIN20
Americhem - Polypropylene
General Information
Product Description

20% MINERAL FILLED POLYPROPYLENE

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Mineral, 20% Filler by Weight		
Features	• Good Dimensional Stability		
Uses	• Battery Cases • 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	1.25		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.014 to 0.018	in/in	ASTM D955
Water Absorption (Equilibrium)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	4500	psi	ASTM D638
Flexural Modulus	325000	psi	ASTM D790
Flexural Strength	6800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.1	ft·lb/in	ASTM D256
Unnotched Izod Impact	22 to 26	ft·lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	145	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+18	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 to 440	°F
Mold Temperature	90 to 150	°F

