

InElec® ABSAS

Americhem - Acrylonitrile Butadiene Styrene

General Information

Product Description

PERMANENTLY ANTISTATIC ABS

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07		ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	28	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	5.0E-3 to 7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	6000	psi	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	3.8	ft·lb/in	ASTM D256
Unnotched Izod Impact	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	170	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 to 1.0E+11	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.075	%
Processing (Melt) Temp	460 to 490	°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		

Notes

¹ Typical properties: these are not to be construed as specifications.

