



Celstran® PA66-SF50-02 AF3001

Celanese Corporation - Polyamide 66

Monday, November 4, 2019

General Information

Product Description

The Celstran PA66-SF50-02 AF3001 Natural is a 50% by weight stainless steel fiber concentrate. This product is intended to be used at levels from 6% to 40% in combination with neat or filled PA66 to achieve the desired level of electrostatic dissipation (ESD) and electromagnetic interference (EMI)/ radio frequency interference (RFI) shielding. The resulting formulation will yield stainless steel levels of 3% to 20%. 'Long Stainless Fiber' materials have a significant advantage over short stainless fiber filled plastics. Conductivity properties increase by nearly 100 times when comparing to similar loadings.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Long Stainless Steel Fiber, 50% Filler by Weight		
Features	• Conductive • Electromagnetic Shielding (EMI)		
RoHS Compliance	• Contact Manufacturer		
	• ESD Protection • Radio Frequency Shielding (RFI)		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.99	g/cm ³	ISO 1183
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ²	500	°F	ISO 11357-3

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	608	°F

Notes

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

² 10°C/min