

CELSTRAN[®] PA66-SF50-02 AF3005 CELSTRAN® Long Fibre

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.

Product information

Resin Identification	PA66-LMEF(x)5		ISO 1043
Part Marking Code	>PA66-LMEF(x)5	0<	ISO 11469
Thermal properties			
Melting temperature, 10°C/min	260	°C	ISO 11357-1/-3
Physical/Other properties			
Density	1990	kg/m³	ISO 1183
Injection			
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature Max. melt temperature Screw tangential speed Mold Temperature Optimum Min. mould temperature Max. mould temperature Hold pressure range	2 - 4 ≤0.2 285 295 305 ≤0.15 100	% °C °C °C m/s °C °C °C	
Characteristics			
Processing	Injection Moulding		
Delivery form	Pellets		
Special characteristics	Increased electrical conductivity, Static dissipative, Heat stabilised or stable to heat		

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