

Celstran® PPS-SF6-01 AF3005 Natural

Polyphenylene Sulfide
Celanese Corporation

Message:

Celstran PPS-SF6-01 is a 6% long stainless fiber Polyphenylene Sulfide. This material imparts excellent static dissipative properties. Celstran stainless steel long fiber products provide much greater levels of conductivity than that of short fiber stainless materials.

General Information			
Filler / Reinforcement	Long Stainless Steel Fiber,6.0% Filler by Weight		
Features	Electrically Conductive		
	Statically Conductive		
RoHS Compliance		Contact Manufacturer	
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4180	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	47.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.2	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	4190	MPa	ISO 178
Flexural Stress (23°C)	128	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.3	kJ/m²	ISO 179/1eA
Injection	Nominal Value	Unit	
Drying Temperature	260 to 270	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	300 to 310	°C	
Middle Temperature	305 to 315	°C	
Front Temperature	310 to 320	°C	
Nozzle Temperature	310 to 320	°C	
Processing (Melt) Temp	310 to 315	°C	
Mold Temperature	155	°C	

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Recommended distributors for this material

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