

CELSTRAN® PPS-SF6-01 AF3005 Natural

CELSTRAN® Long Fibre

Celstran PPS-SF6-01 is a 6% long stainless fiber Polyphenylene Sulphide. 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.

Product information

Resin Identification	PPS-LMEF(x)6	ISO 1043
Part Marking Code	>PPS-LMEF(x)6<	ISO 11469

Typical mechanical properties

Tensile modulus	4180 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	47 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.2 %	ISO 527-1/-2
Flexural modulus	4190 MPa	ISO 178
Flexural strength	130 MPa	ISO 178
Charpy notched impact strength, 23°C	1.3 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.36 ^[C]	

[C]: Calculated

Physical/Other properties

Density	1410 kg/m ³	ISO 1183
---------	------------------------	----------

Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Additives	Nucleated
Special characteristics	Increased electrical conductivity, Static dissipative, Heat stabilised or stable to heat