

CAMPUS® Datasheet

CELSTRAN® PPS-CF40-01 - PPS-CF40 Celanese



Product Texts

Celstran PPS-CF 40-01 is a 40% long carbon fiber Polyphenylene Sulfide. This material imparts excellent impact and extremely high modulus properties that exceed that of short carbon fiber PPS.

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	37277	MPa	ISO 527-1/-2
Stress at break	185	MPa	ISO 527-1/-2
Strain at break	0.57	%	ISO 527-1/-2
Charpy notched impact strength, +23°C	16.5	kJ/m ²	ISO 179/1eA
Thermal properties	Value	Unit	Test Standard
Coeff. of linear therm. expansion, parallel	2.3	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	27.8	E-6/K	ISO 11359-1/-2
Other properties	Value	Unit	Test Standard
Density	1490	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America

Delivery form

Pellets

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