



CELSTRAN[®] PPS-GF50-01 AF3001 NATURAL CELSTRAN® Long Fibre

50% long strand glass fiber reinforced polyphenylene sulfide.

Proc	luct	infor	mati	ion
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Resin Identification Part Marking Code		PPS-LGF50 >PPS-LGF50<		ISO 1043 ISO 11469
Typical mechanical properties				
Tensile modulus Tensile stress at break, 5mm/min Tensile strain at break, 5mm/min Flexural modulus Flexural strength Charpy notched impact strength, 23° Poisson's ratio [C]: Calculated	C	1.1 17900 290	MPa %	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eA
Thermal properties				
Melting temperature, 10 °C/min Temperature of deflection under load, 1.8 MPa		279 280		ISO 11357-1/-3 ISO 75-1/-2
Physical/Other properties				
Density		1720	kg/m³	ISO 1183
Injection				
Back pressure		3	MPa	
Characteristics				
Processing	Injection Moulding			
Delivery form	Pellets			
Additives	Flame retardant			
Special characteristics	Flame retardant			

Additional information

Processing Notes

Pre-Drying

CELSTAN PPS should in principle be predried. Because of the necessary low maximum residual moisture content the use of dry air dryers is recommended. The dew point should be =< - 30° C. The time between drying and processing should be as short as possible

Storage

For subsequent storage the material should be stored dry in the dryer until processed (≤ 60 h).

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