



CELSTRAN[®] PPS-GF40-01 AF3001 NATURAL CELSTRAN® Long Fibre

40% long strand fiber glass reinforced polyphenylene sulfide

Product in	formation
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Resin Identification	PPS-LGF40		ISO 1043
Part Marking Code	>PPS-LGF40<		ISO 11469
Typical mechanical properties			
Tensile modulus	15000	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	160	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.2	%	ISO 527-1/-2
Flexural modulus	14500	MPa	ISO 178
Flexural strength		MPa	ISO 178
Charpy notched impact strength, 23°C		kJ/m²	ISO 179/1eA
Poisson's ratio	0.33 ^[C]		
[C]: Calculated			
Physical/Other properties			
Density	1620	kg/m³	ISO 1183
-		-	
Characteristics			
Processing	Injection Moulding		
Delivery form	Pellets		
Delivery lotti			

Additional information

Special characteristics

Auditional information	
Processing Notes	Pre-Drying
	FORTRON 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.

Heat stabilised or stable to heat

Storage

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

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Page: 1 of 1

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