

# CELSTRAN® PPS-GF40-01 AF3001 NATURAL

## CELSTRAN® Long Fibre

40% long strand fiber glass reinforced polyphenylene sulfide

### Product information

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	270 MPa	ISO 178
Charpy notched impact strength, 23 °C	33 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.33 <sup>[C]</sup>	

[C]: Calculated

### Physical/Other properties

Density	1620 kg/m <sup>3</sup>	ISO 1183
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### Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	Heat stabilised or stable to heat

### Additional 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.

#### Storage

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