

# CELSTRAN® PP-GF50-02- NATURAL

## CELSTRAN® Long Fibre

50% long strand glass fiber chemically coupled polypropylene, Natural

### Product information

Resin Identification	PP-LGF50	ISO 1043
Part Marking Code	>PP-LGF50<	ISO 11469

### Typical mechanical properties

Tensile modulus	11600 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	148 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.9 %	ISO 527-1/-2
Flexural modulus	12000 MPa	ISO 178
Flexural strength	250 MPa	ISO 178
Charpy notched impact strength, 23°C	44 kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23°C	30 kJ/m <sup>2</sup>	ISO 180/1A
Poisson's ratio	0.33 <sup>[C]</sup>	
[C]: Calculated		

### Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
Thickness tested	1.5 mm	IEC 60695-11-10
UL recognition	yes	UL 94

### Physical/Other properties

Density	1330 kg/m <sup>3</sup>	ISO 1183
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### Injection

Back pressure	3 MPa
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### Characteristics

Processing	Injection Moulding
Delivery form	Pellets

### Additional information

Processing Notes

#### Pre-Drying

It is normally not necessary to dry CELSTRAN PP. However, should there be surface moisture (condensate) on the molding compound as a result of incorrect storage, drying is required.

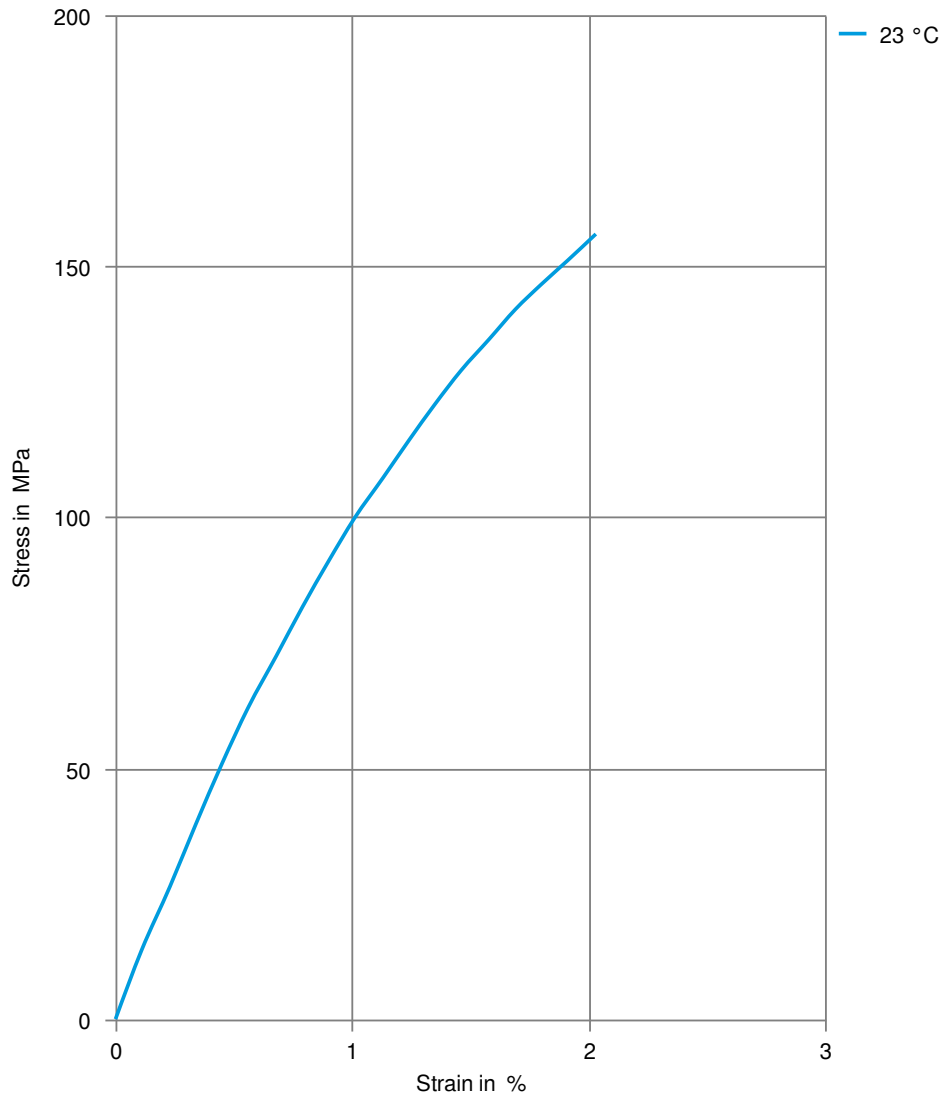
#### Storage

The product can then be stored in standard conditions until processed.

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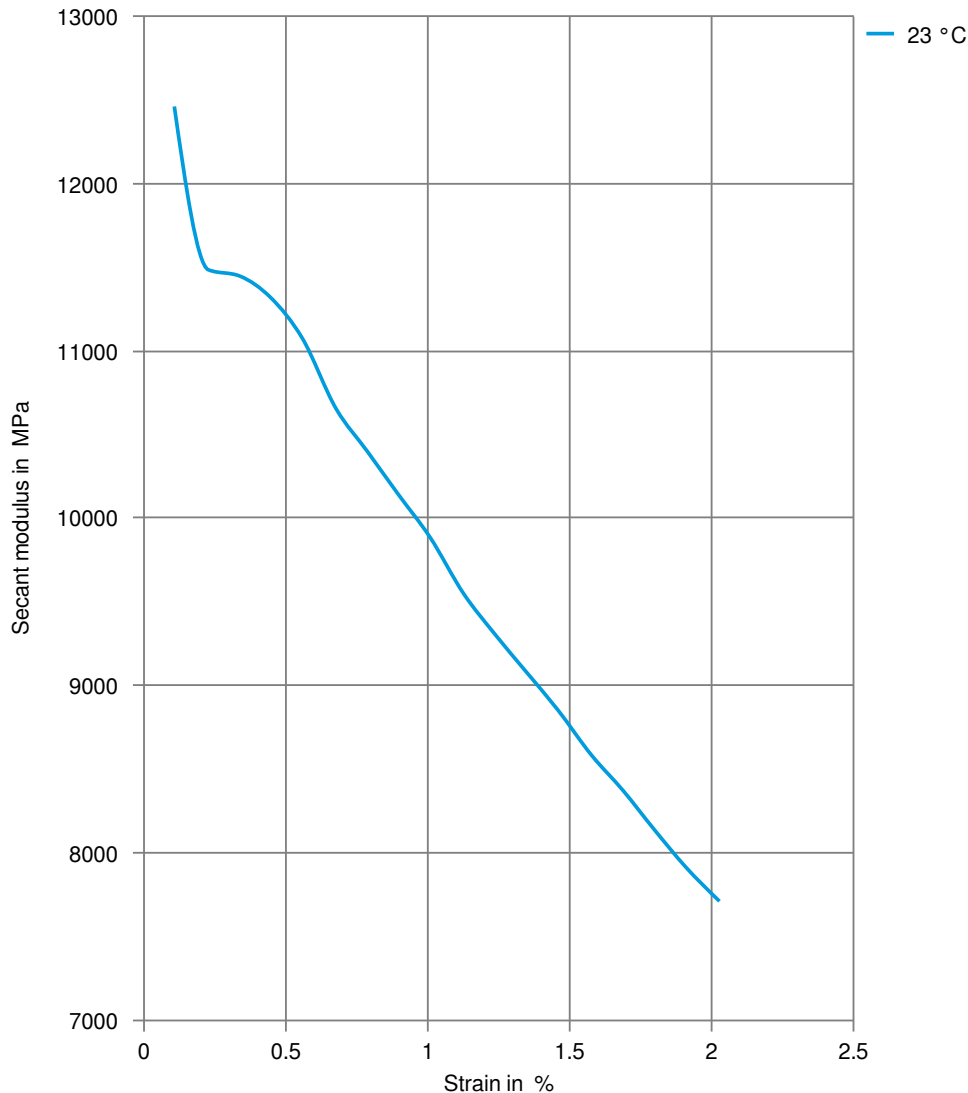
## Stress-strain



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### Secant modulus-strain



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