

CELSTRAN® PP-GF30-02 AD 3002

CELSTRAN® Long Fibre

30% long strand glass fiber reinforced polypropylene. Black.

Product information

Resin Identification	PP-LGF30	ISO 1043
Part Marking Code	>PP-LGF30<	ISO 11469

Rheological properties

Moulding shrinkage range, parallel	0.3 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.3 %	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	6800 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	110 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.2 %	ISO 527-1/-2
Flexural modulus	6600 MPa	ISO 178
Flexural strength	180 MPa	ISO 178
Charpy notched impact strength, 23 °C	24 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23 °C	21 kJ/m ²	ISO 180/1A
Izod impact strength, -40 °C	27.2 kJ/m ²	ISO 180/1U
Poisson's ratio	0.35 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	157 °C	ISO 75-1/-2
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Flammability

Burning Behav. at thickness h	HB class	IEC 60695-11-10
Thickness tested	1 mm	IEC 60695-11-10

Physical/Other properties

Density	1120 kg/m ³	ISO 1183
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Injection

Back pressure	3 MPa
Ejection temperature	116 °C

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

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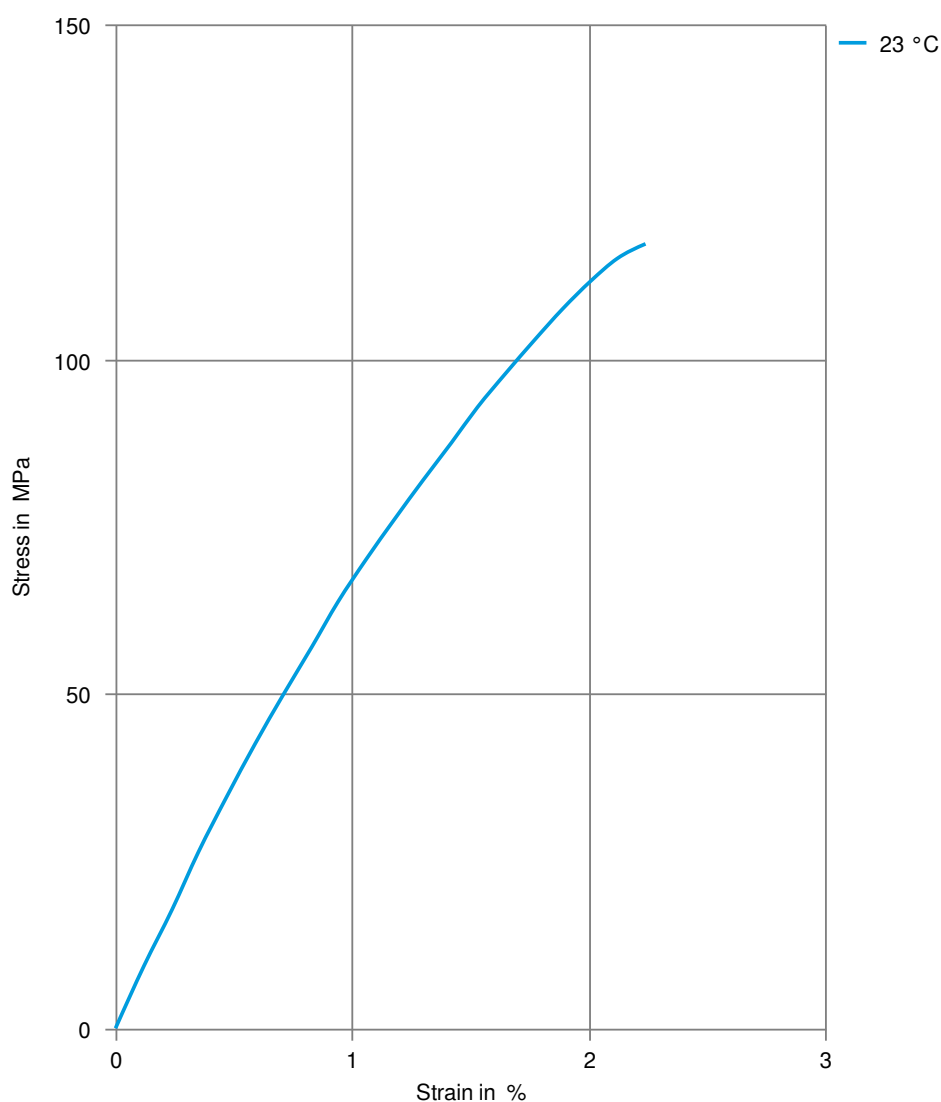
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storage, drying is required.

Storage

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

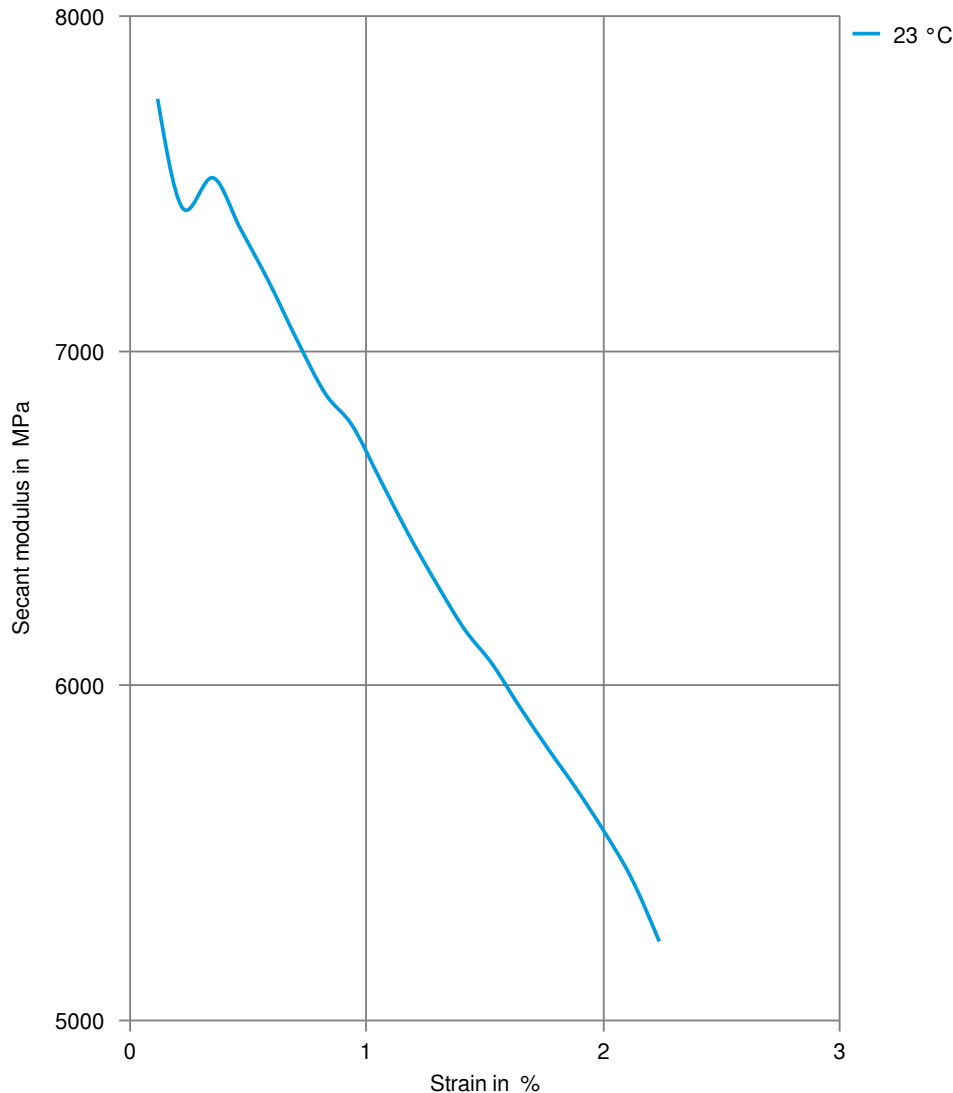
Stress-strain



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Secant modulus-strain



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