

CELSTRAN® PP-GF30-02 AF 3001

CELSTRAN® Long Fibre

30% long glass fiber reinforced polypropylene, Natural.

Product information

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

Typical mechanical properties

Tensile modulus	6930 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	130 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.6 %	ISO 527-1/-2
Flexural modulus	6950 MPa	ISO 178
Flexural strength	210 MPa	ISO 178
Charpy notched impact strength, 23°C	38 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 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	1120 kg/m ³	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.

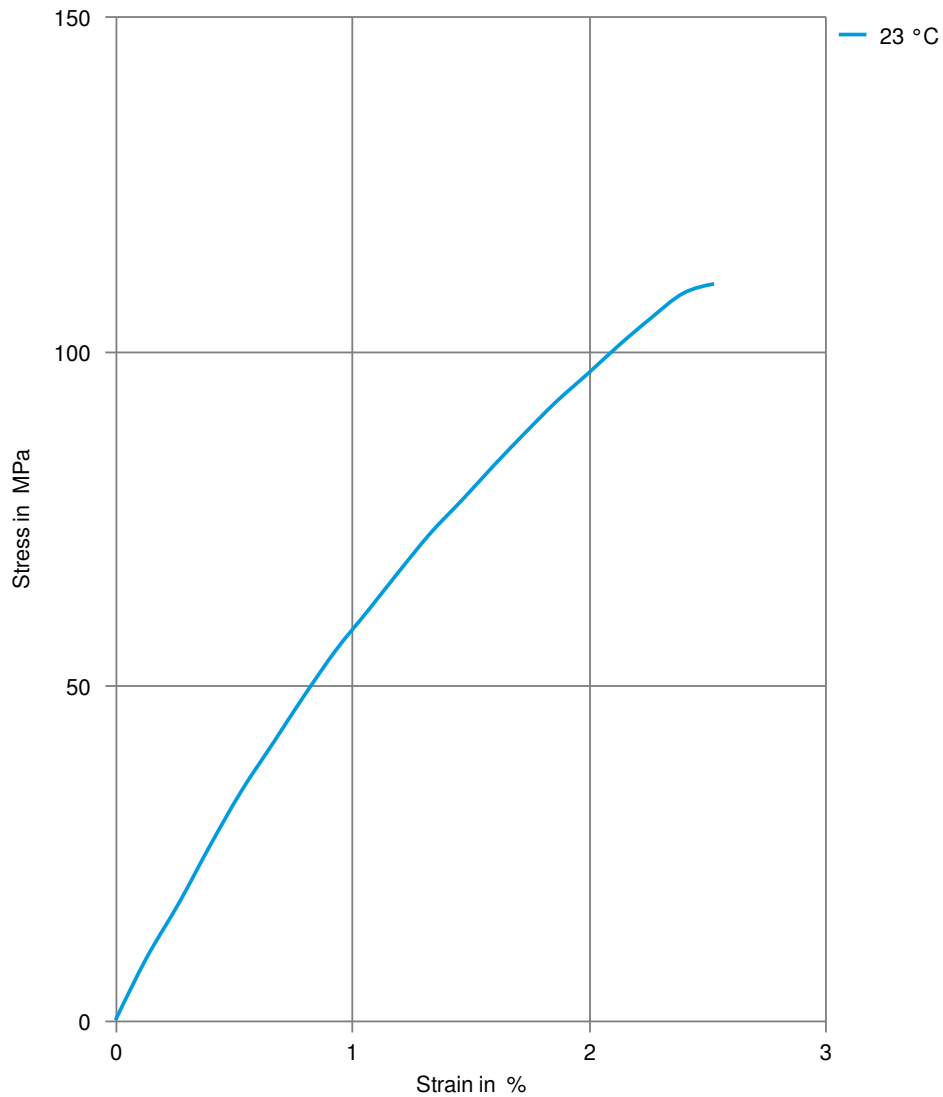
Storage

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

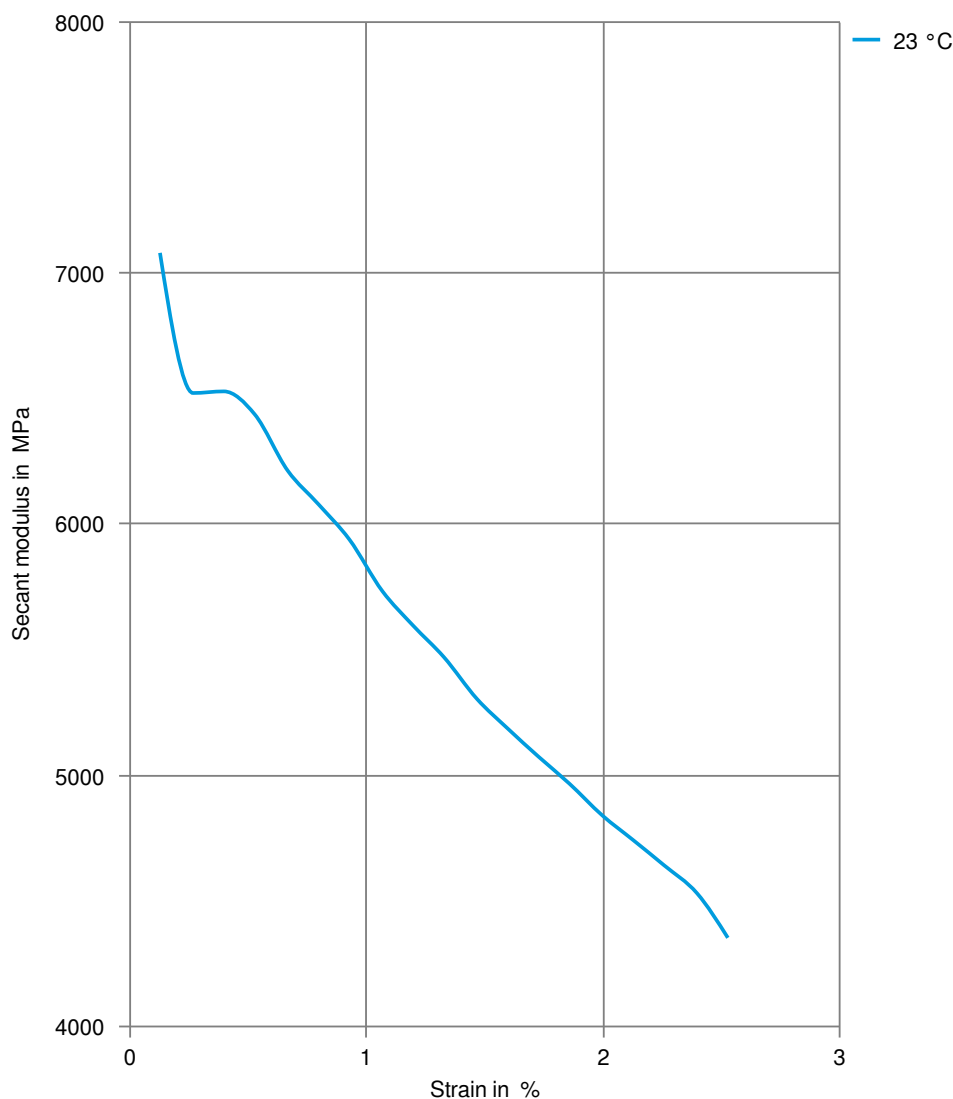
Stress-strain



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Secant modulus-strain



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