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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/m²	ISO 179/1eA
Izod notched impact strength, 23 °C	21	kJ/m²	ISO 180/1A
Izod impact strength, -40 °C	27.2	kJ/m²	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

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/m³	ISO 1183

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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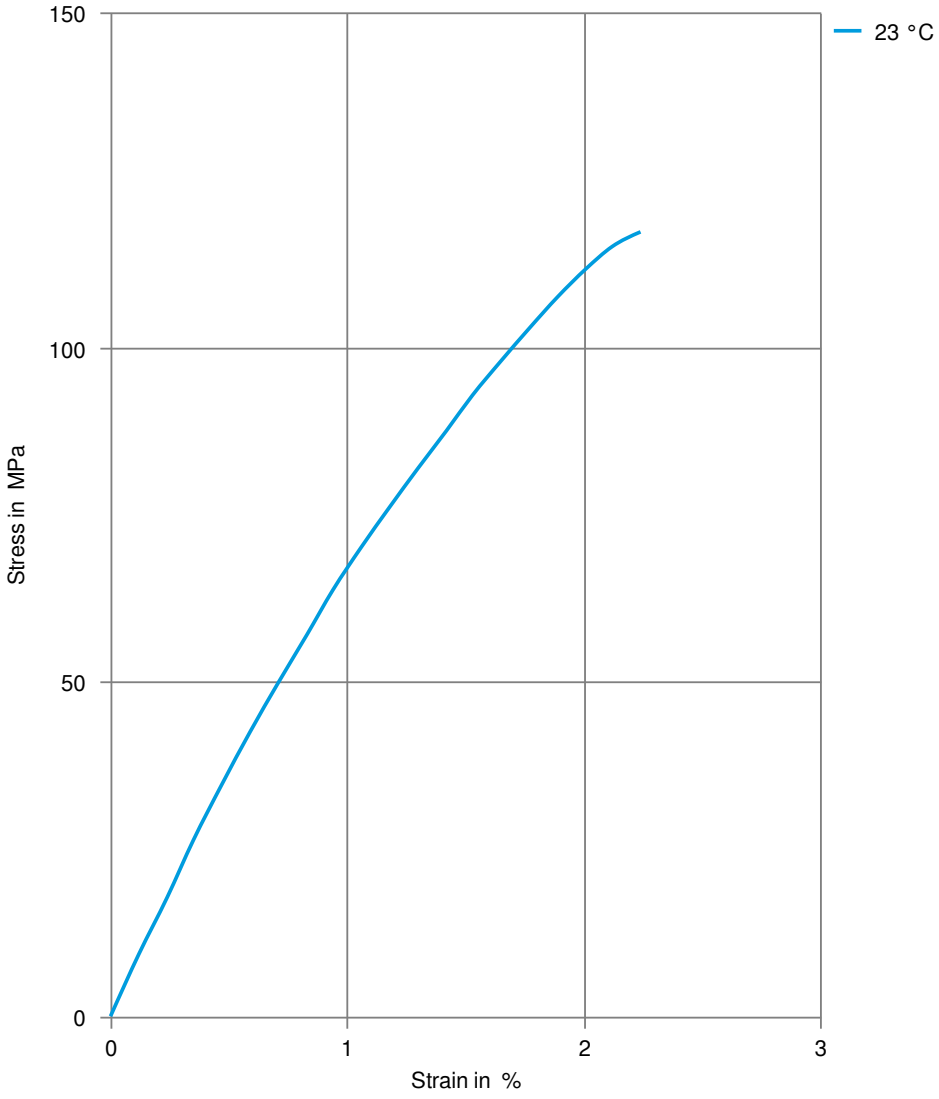
storage, drying is required.

Storage

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

Stress-strain



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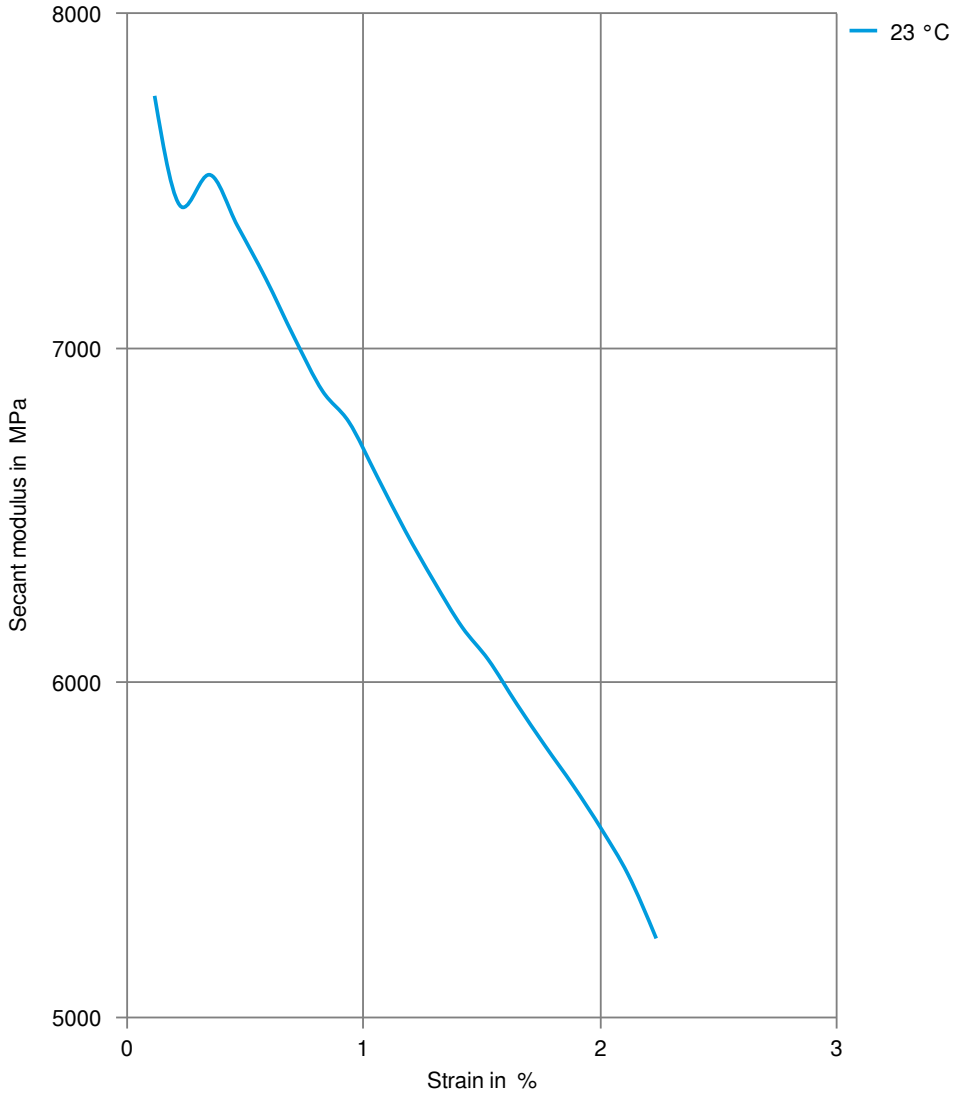
Secant modulus-strain



Revised: 2024-01-23 Source: Celanese Materials Database