

CELSTRAN® PP-GF30-02 AD 3019

30% long glass fiber reinforced polypropylene - UV stabilized
 30% long glass fiber reinforced polypropylene - UV stabilized, black.

Typical mechanical properties

Tensile Modulus	6550 MPa	ISO 527-1/-2
Stress at break, 5mm/min	100 MPa	ISO 527-1/-2
Strain at break, 5mm/min	2.1 %	ISO 527-1/-2
Flexural Modulus	6500 MPa	ISO 178
Flexural Strength	170 MPa	ISO 178
Charpy notched impact strength, 23°C	19 kJ/m ²	ISO 179/1eA

Thermal properties

Temp. of deflection under load, 1.8 MPa	157 °C	ISO 75-1/-2
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Other properties

Density	1120 kg/m ³	ISO 1183
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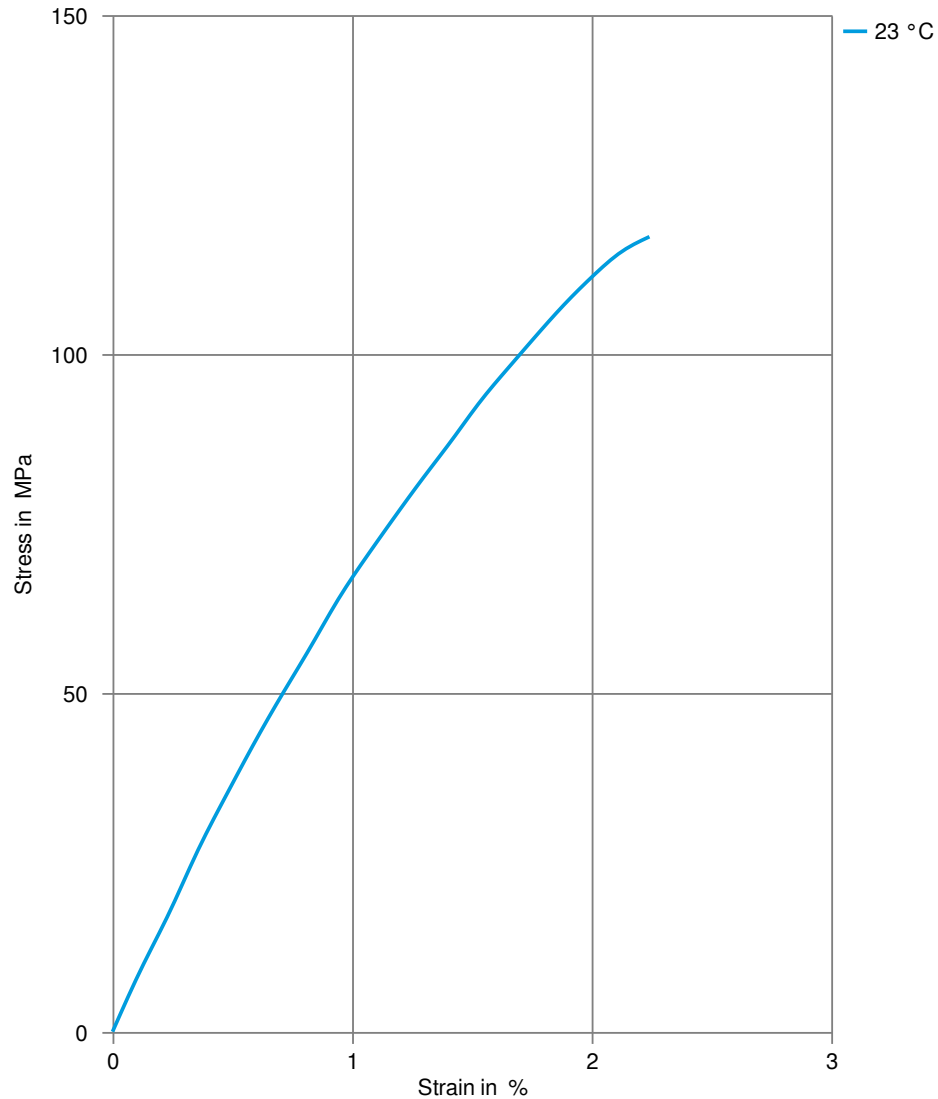
Injection

Drying Temperature	90 - 100 °C
Drying Time, Dehumidified Dryer	2 h
Processing Moisture Content	0.2 %
Screw tangential speed	0.1 m/s
Max. mould temperature	30 - 70 °C
Back pressure	3 MPa
Injection speed	slow



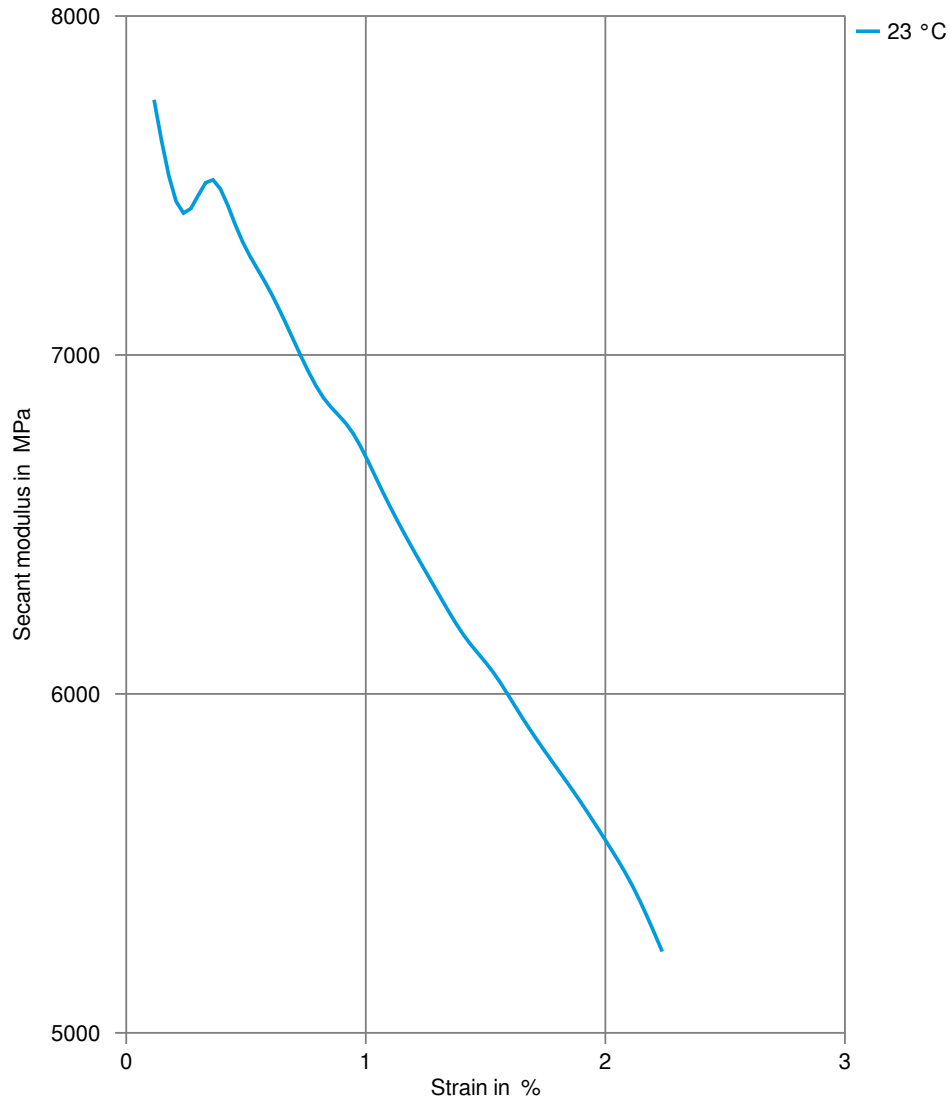
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Stress-strain



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Secant modulus-strain



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Processing Texts

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.

Longer pre-drying times/storage

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

