

CELSTRAN® PP-GF30-02 AD 3019

CELSTRAN® Long Fibre

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

Product information

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

Typical mechanical properties

| | | |
|---------------------------------------|------------------------|--------------|
| Tensile modulus | 6550 MPa | ISO 527-1/-2 |
| Tensile stress at break, 5mm/min | 100 MPa | ISO 527-1/-2 |
| Tensile 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 |
| 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 |
|---|--------|-------------|

Physical/Other properties

| | | |
|---------|------------------------|----------|
| Density | 1120 kg/m ³ | ISO 1183 |
|---------|------------------------|----------|

Injection

| | |
|---------------|-------|
| Back pressure | 3 MPa |
|---------------|-------|

Characteristics

| | |
|-------------------------|--------------------------------------|
| Processing | Injection Moulding |
| Delivery form | Pellets |
| Special characteristics | U.V. stabilised or stable to weather |

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.

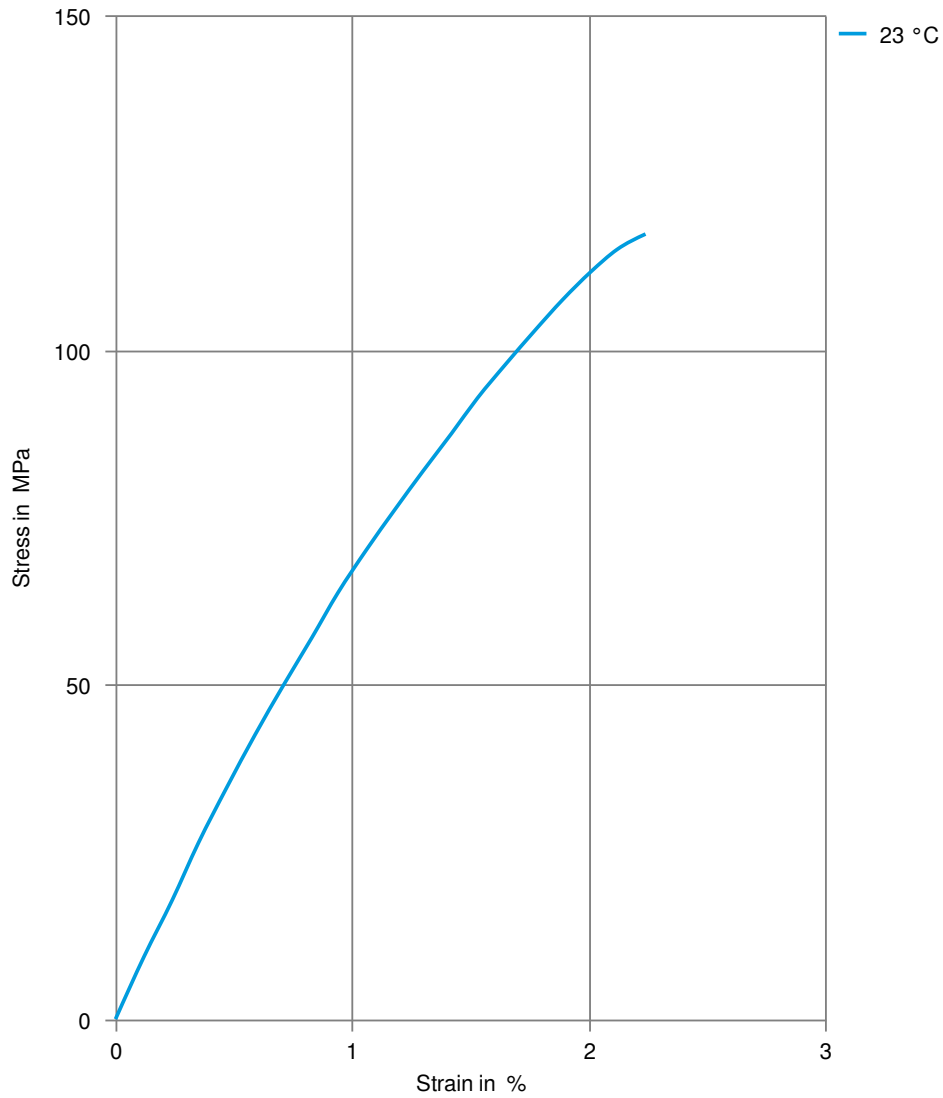
Storage

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

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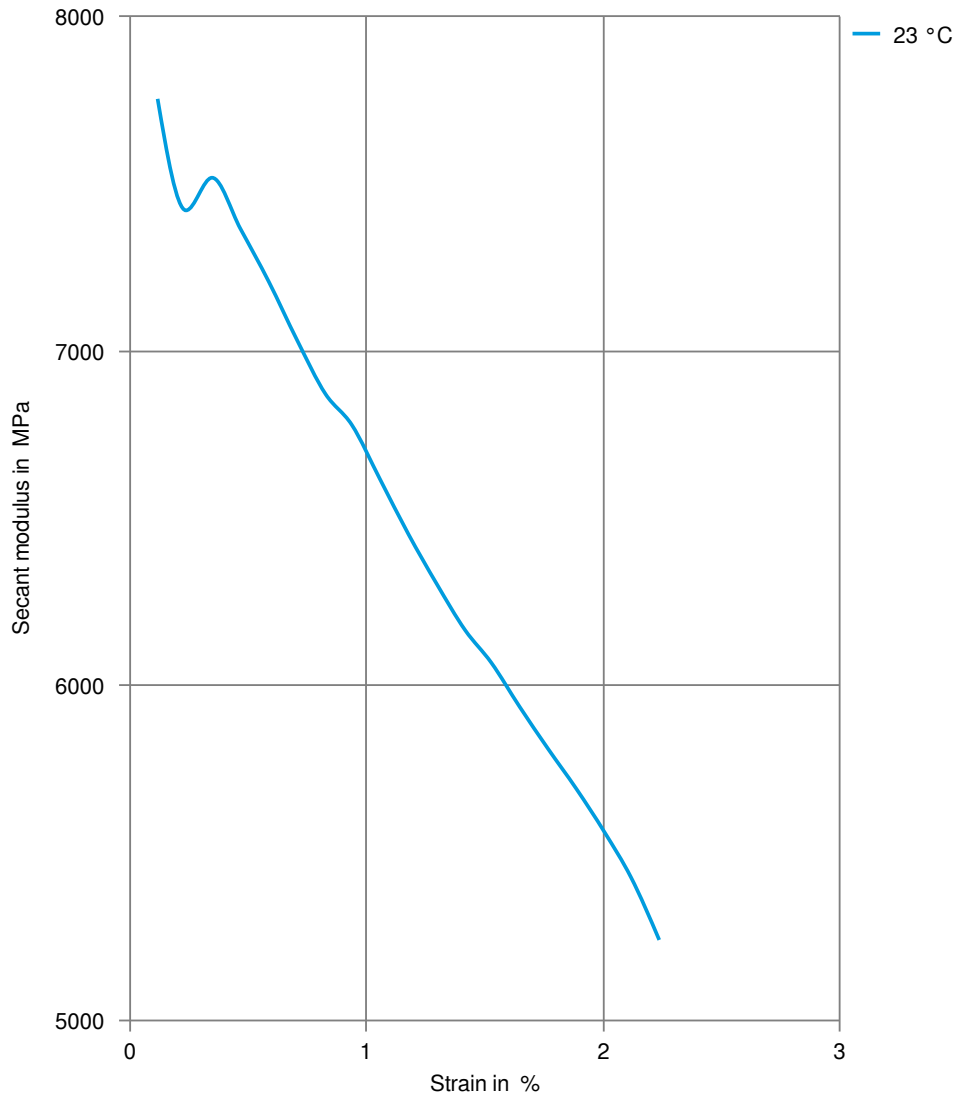
Stress-strain



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Secant modulus-strain



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