

CELSTRAN® PP-GF50-02-BLACK

CELSTRAN® Long Fibre

50% long strand glass fiber chemically coupled polypropylene, Black

Product information

Resin Identification	PP-LGF50	ISO 1043
Part Marking Code	>PP-LGF50<	ISO 11469

Typical mechanical properties

Tensile modulus	11200 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	125 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	1.8 %	ISO 527-1/-2
Flexural modulus	11400 MPa	ISO 178
Flexural strength	220 MPa	ISO 178
Charpy impact strength, 23°C	54 kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	52 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	26 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	26 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	30 kJ/m ²	ISO 180/1A
Poisson's ratio	0.33 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	158 °C	ISO 75-1/-2
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Physical/Other properties

Density	1340 kg/m ³	ISO 1183
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Injection

Back pressure	3 MPa
Ejection temperature	117 °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 storage, drying is required.

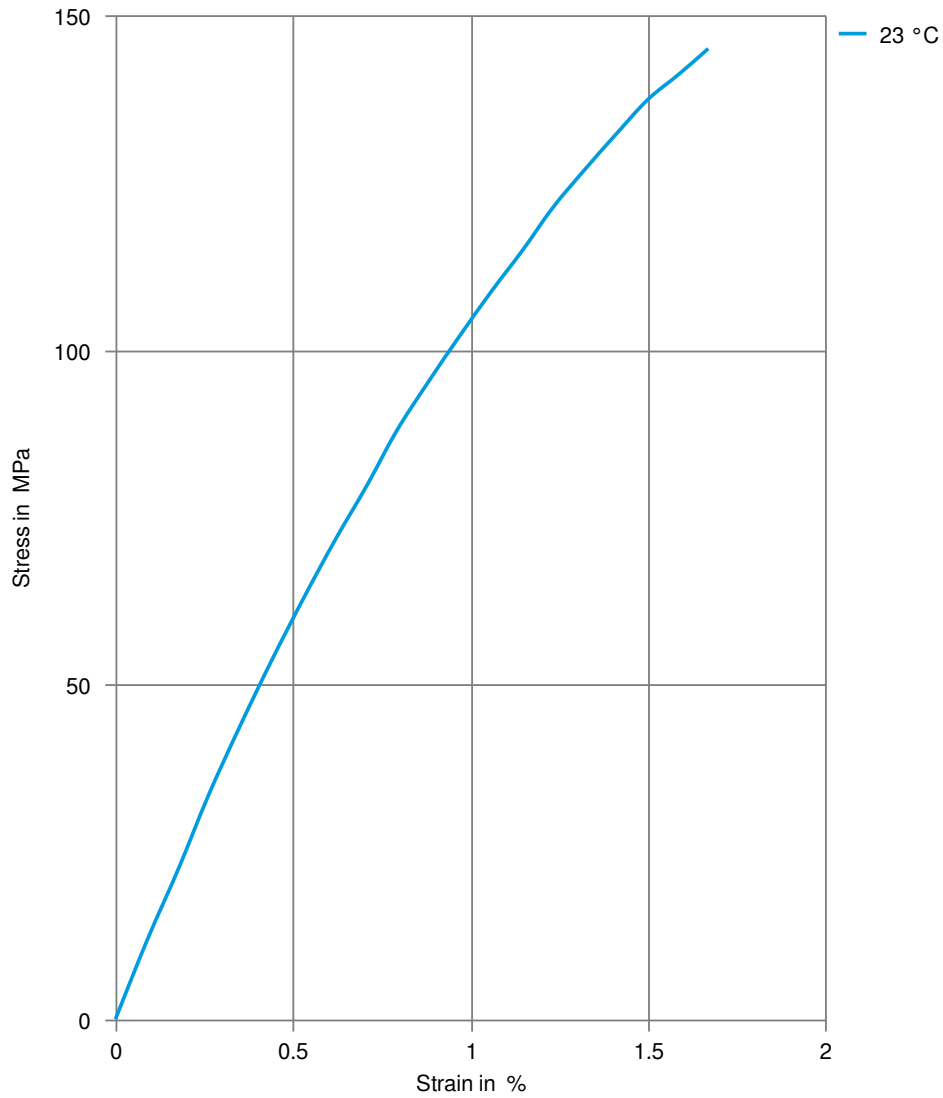
Storage

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

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Stress-strain



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Secant modulus-strain

