



The chemistry inside innovation™

CELSTRAN® PP-GF40-02 AF3001 NATURAL

CELSTRAN® Long Fibre

Celstran® PP-GF40-02 is a 40% long glass fiber filled Polypropylene. This material imparts excellent impact and modulus properties that exceed that of short fiber polypropylene products.

Product information

Resin Identification	PP-LGF40	ISO 1043
Part Marking Code	>PP-LGF40<	ISO 11469

Typical mechanical properties

Tensile modulus	9330 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	149 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.3 %	ISO 527-1/-2
Flexural modulus	9060 MPa	ISO 178
Flexural strength	240 MPa	ISO 178
Charpy notched impact strength, 23°C	46 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 ^[C]	

[C]: Calculated

Physical/Other properties

Density	1210 kg/m ³	ISO 1183
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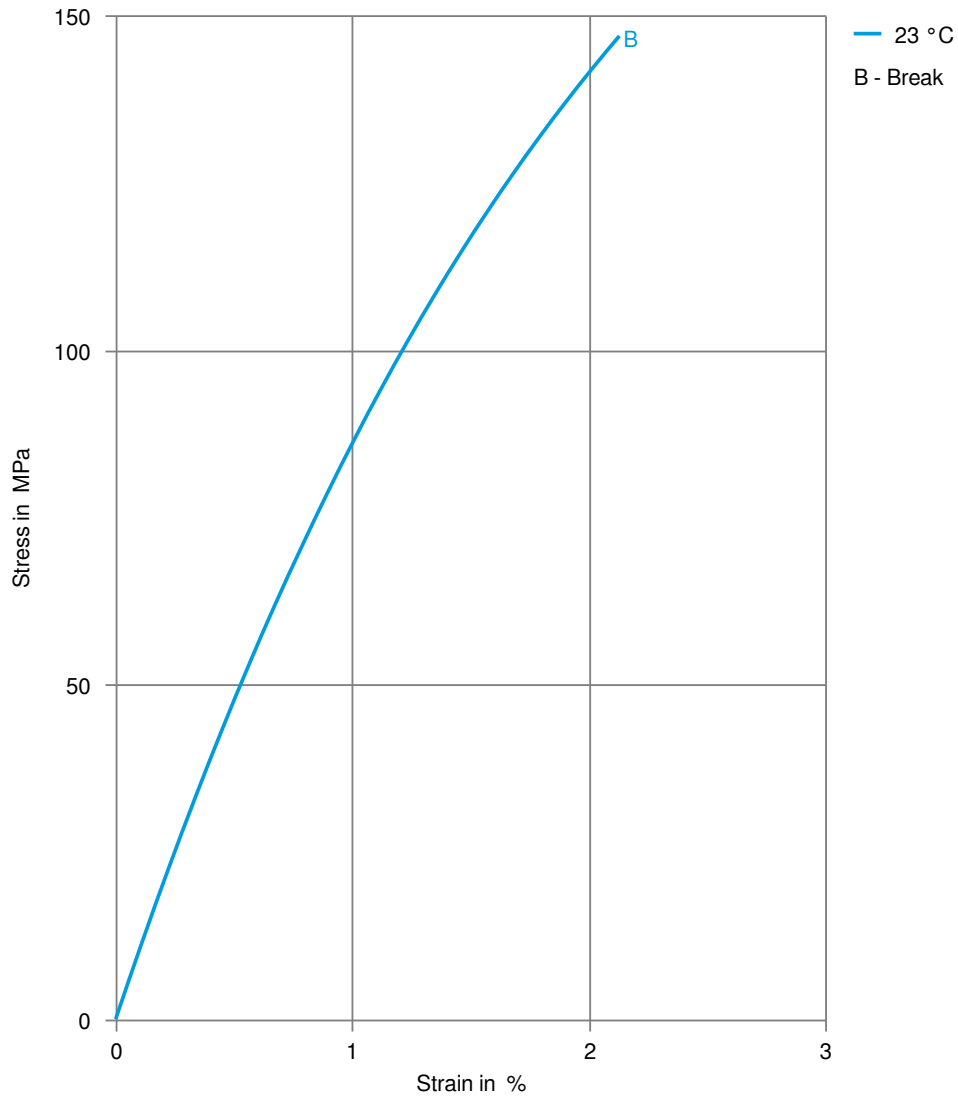
Characteristics

Processing	Injection Moulding
Delivery form	Pellets

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Stress-strain



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Secant modulus-strain

