

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 |
|---------|------------------------|----------|

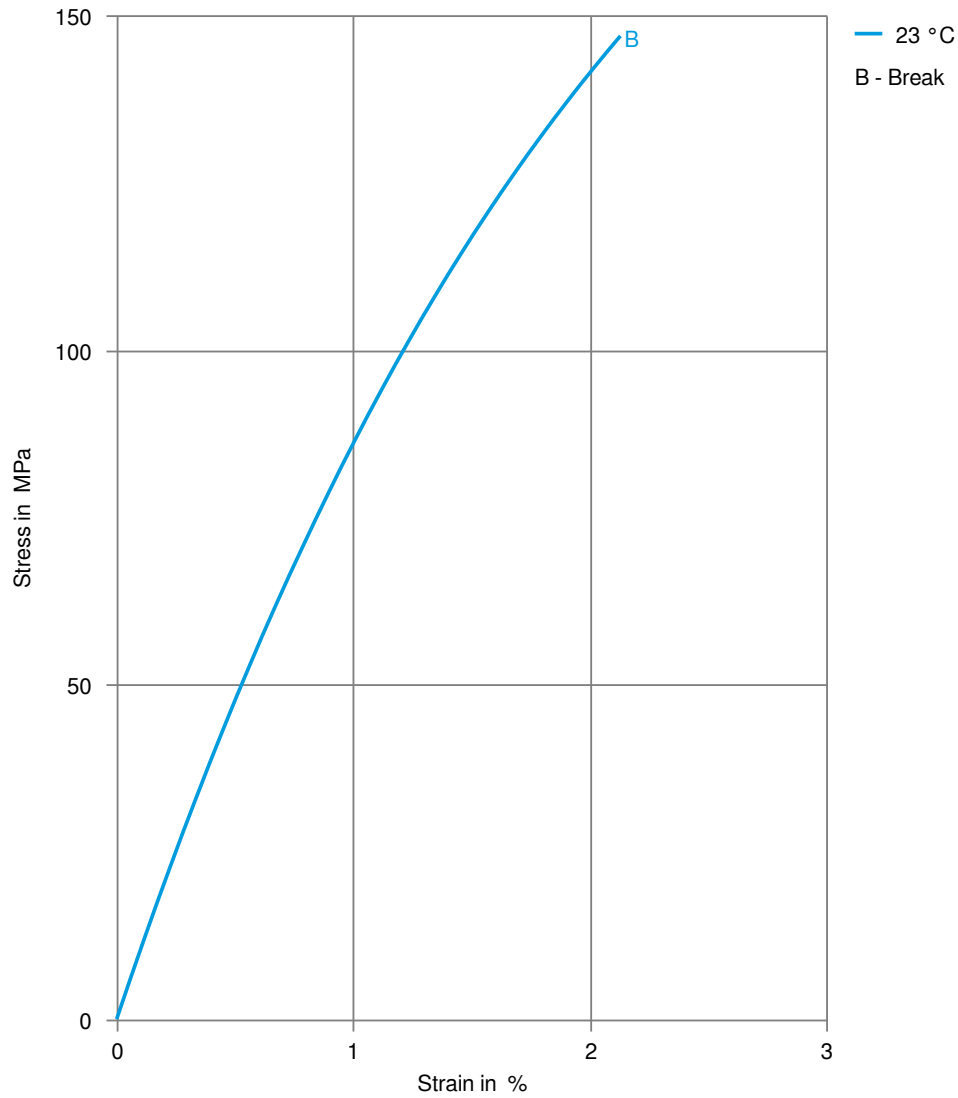
Characteristics

| | |
|---------------|--------------------|
| Processing | Injection Moulding |
| Delivery form | Pellets |

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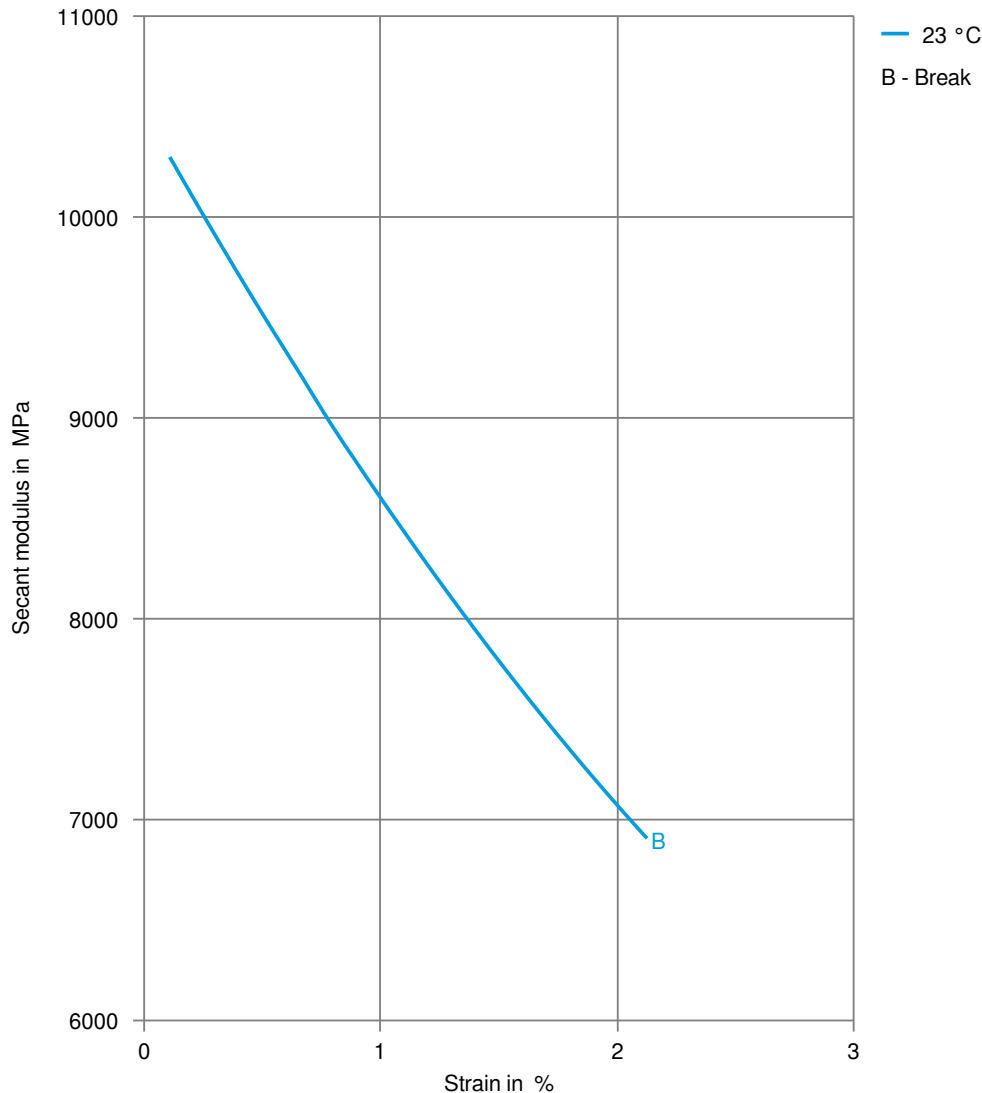
Stress-strain



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Secant modulus-strain



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