

# CELSTRAN® PP-GF40-20 AD3004 BLACK

## CELSTRAN® Long Fibre

40% long strand glass fiber reinforced polypropylene, higher tensile and impact strength, Black.

### Product information

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

### Typical mechanical properties

Tensile modulus	10000 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	150 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.1 %	ISO 527-1/-2
Flexural modulus	8700 MPa	ISO 178
Flexural strength	200 MPa	ISO 178
Charpy notched impact strength, 23 °C	35 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.34 <sup>[C]</sup>	

[C]: Calculated

### Thermal properties

Temperature of deflection under load, 1.8 MPa	161 °C	ISO 75-1/-2
Temperature of deflection under load, 8 MPa	149 °C	ISO 75-1/-2

### Physical/Other properties

Density	1210 kg/m <sup>3</sup>	ISO 1183
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### Injection

Back pressure	3 MPa
Ejection temperature	116 °C

### Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	High impact or impact modified

### 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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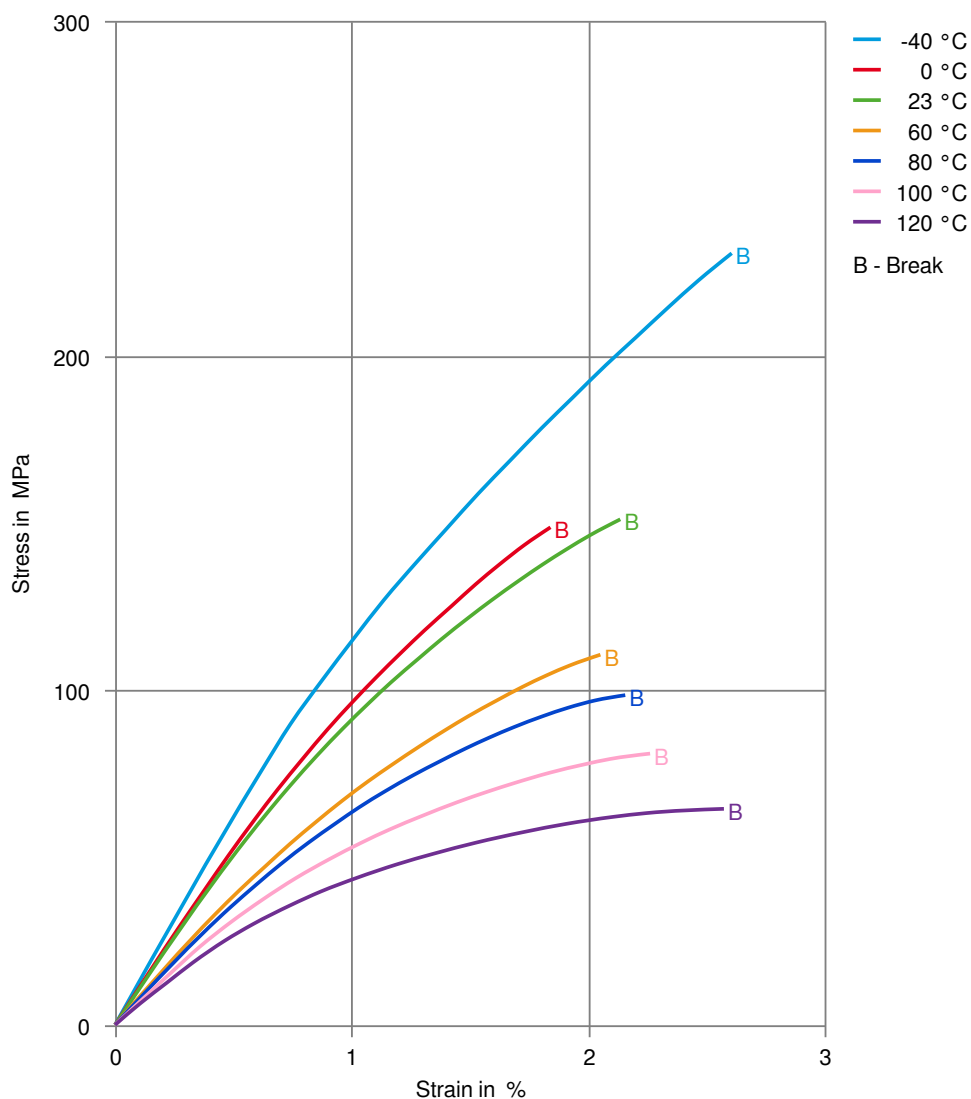
### Automotive

OEM  
Ford  
Stellantis - Chrysler

STANDARD  
WSS-M4D865-B3  
MS-DB-21 / CPN-5346

ADDITIONAL INFORMATION  
Technical Black

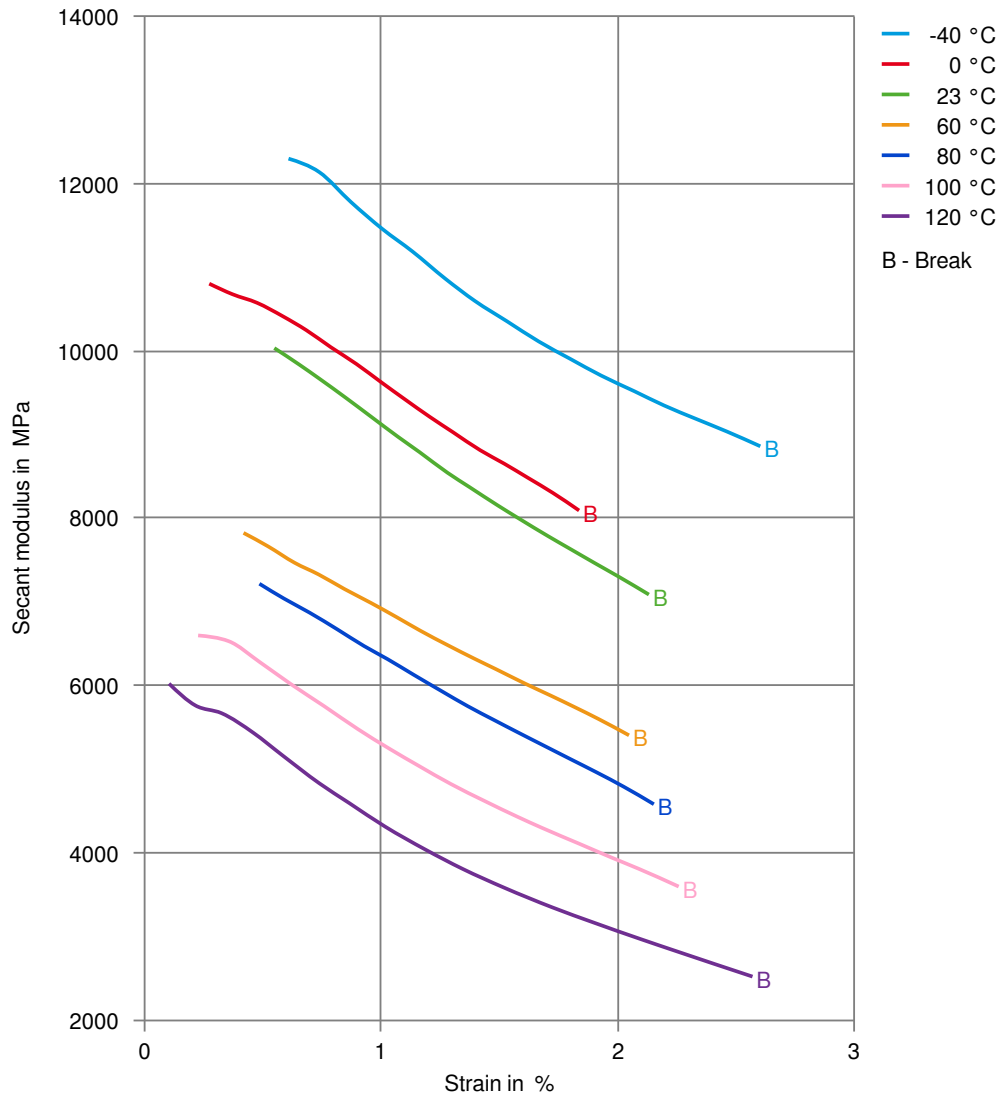
### Stress-strain



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### Secant modulus-strain



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