



## CELSTRAN® PP-GF40-02 AD3019 BLACK CELSTRAN® Long Fibre

40% long strand glass fiber reinforced polypropylene, black. UV resistant.

#### **Product information**

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

## Rheological properties

Moulding shrinkage range, parallel	0.2 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.2 - 0.4 %	ISO 294-4, 2577

## Typical mechanical properties

Tensile modulus	8900	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	130	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2	%	ISO 527-1/-2
Flexural modulus	9250	MPa	ISO 178
Flexural strength	200	MPa	ISO 178
Charpy impact strength, 23°C	65	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	25	kJ/m²	ISO 179/1eA
Poisson's ratio	0.34 <sup>[C]</sup>		

[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 1210 kg/m<sup>3</sup> ISO 1183

## Injection

Back pressure 3 MPa

#### Characteristics

Processing Injection Moulding

Delivery form Pellets

Special characteristics U.V. stabilised or stable to weather

#### **Automotive**

OEM STANDARD ADDITIONAL INFORMATION

General Motors GMW16272

Stellantis - Chrysler MS-DB-21 / CPN-5307 Black

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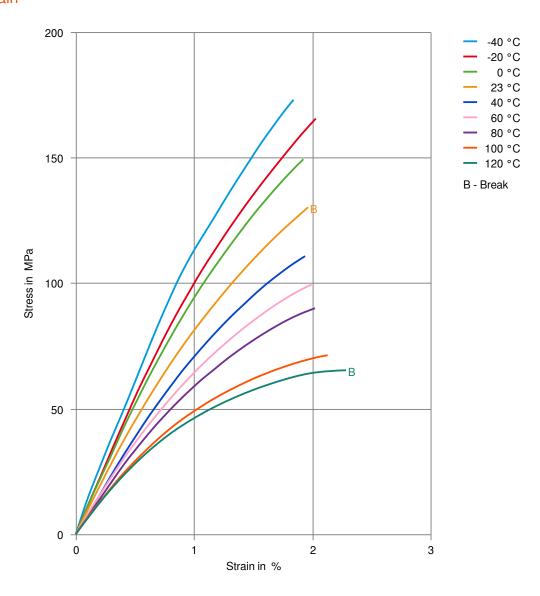
Revised: 2024-07-12 Source: Celanese Materials Database





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## Stress-strain



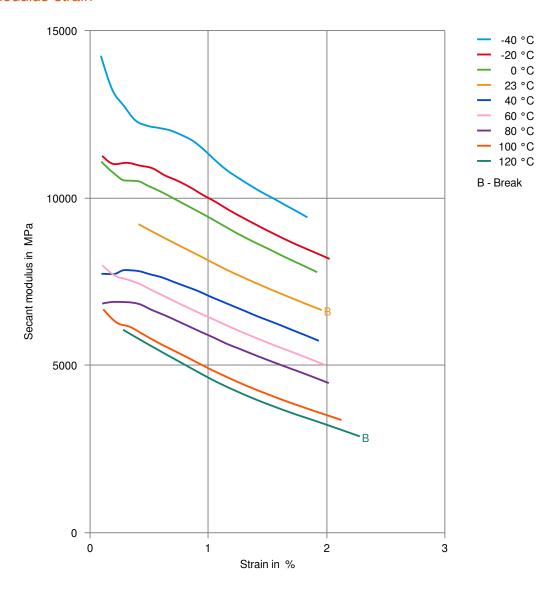
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#### Secant modulus-strain



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