

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/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	25 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 ^[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	1210 kg/m ³	ISO 1183
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Injection

Back pressure	3 MPa
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Characteristics

Processing	Injection Moulding
Delivery form	Pellets
Special characteristics	U.V. stabilised or stable to weather

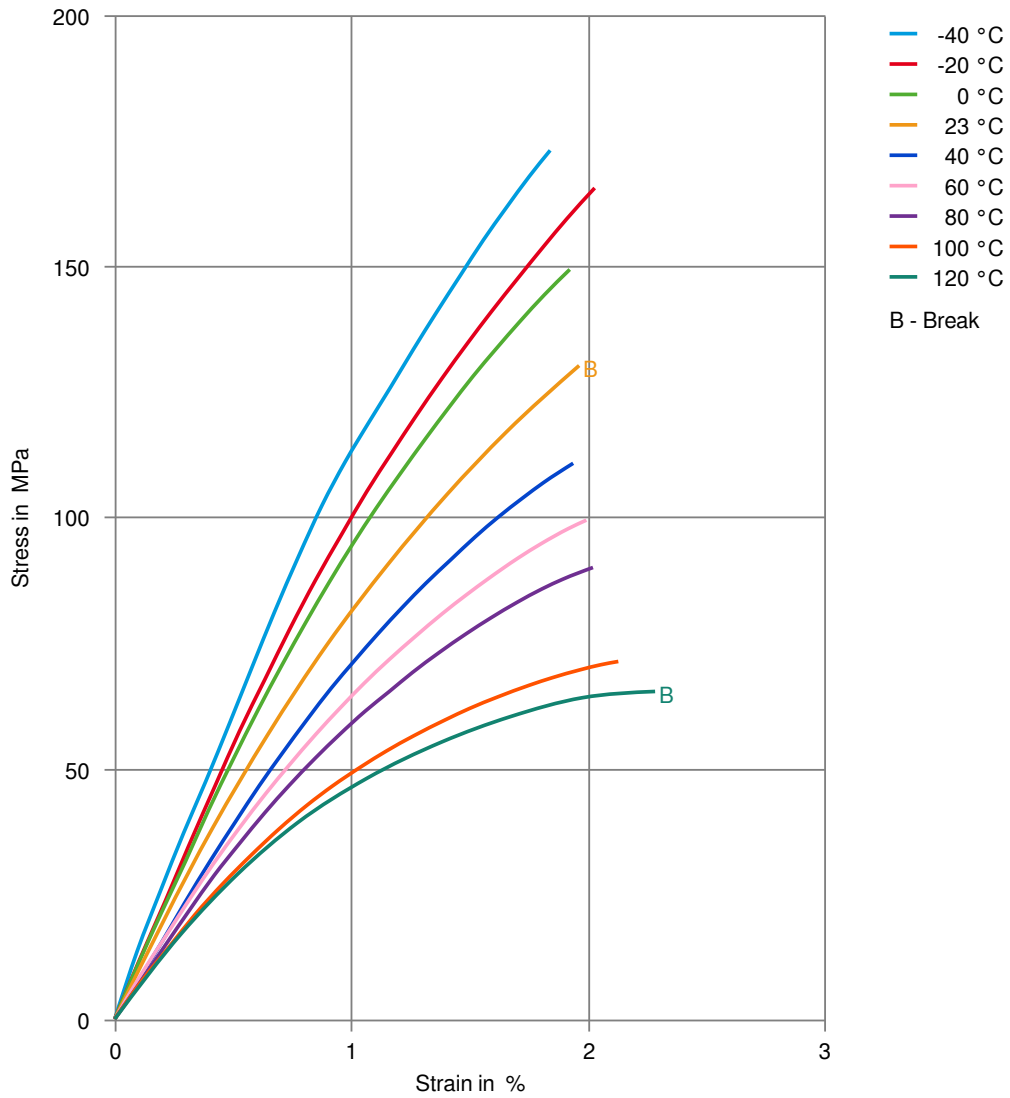
Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
General Motors	GMW16272	
Stellantis - Chrysler	MS-DB-21 / CPN-5307	Black

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Stress-strain



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Secant modulus-strain

