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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/m²	ISO 179/1eA
Poisson's ratio	0.34[C]		

[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/m³	ISO 1183

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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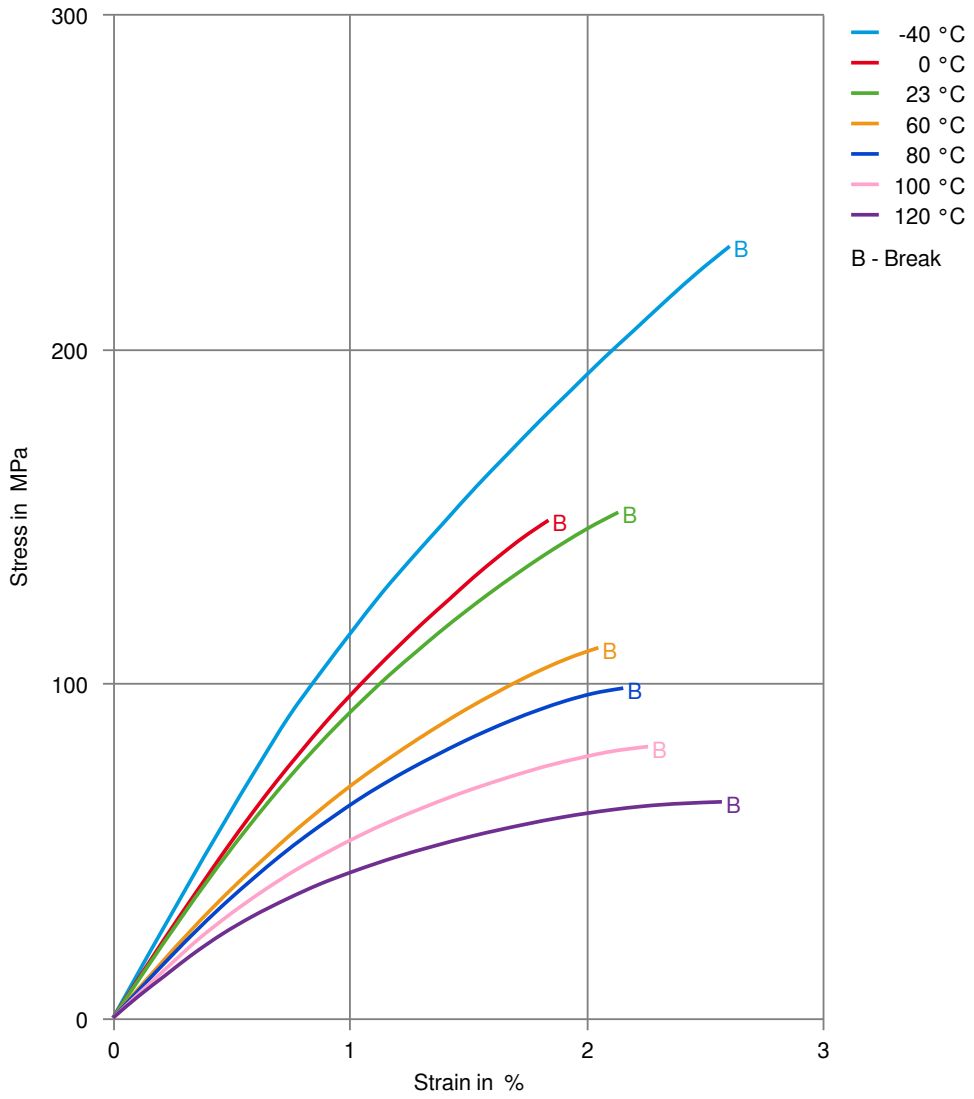
Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Ford	WSS-M4D865-B3	
Stellantis - Chrysler	MS-DB-21 / CPN-5346	Technical Black

Stress-strain



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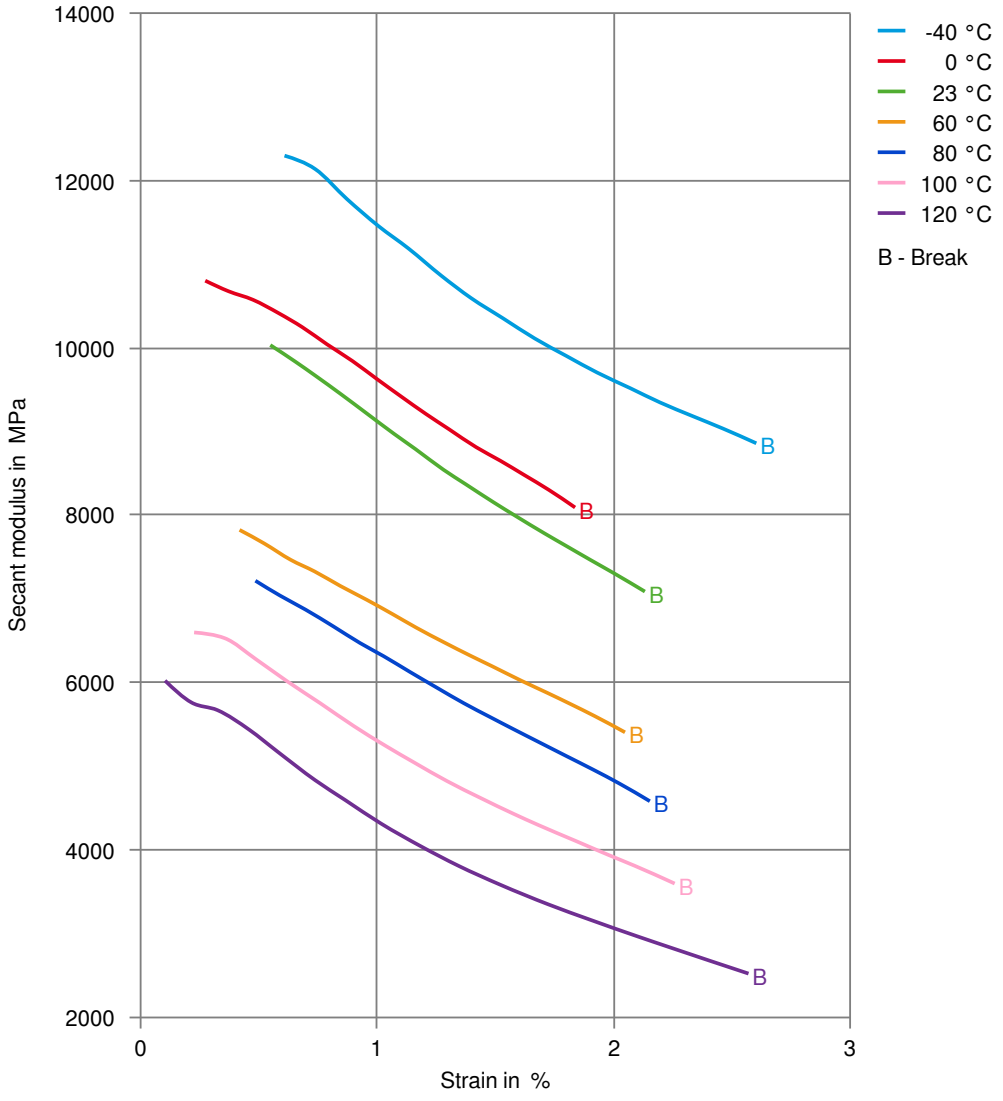
Secant modulus-strain



Revised: 2025-05-23 Source: Celanese Materials Database