

CELSTRAN® PA66-GF40-02 AD3002 Black

40% Long glass fiber reinforced; heat stabilized; Nylon 6/6
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Typical mechanical properties

Tensile Modulus	13700 MPa	ISO 527-1/-2
Stress at break, 5mm/min	190 MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.6 %	ISO 527-1/-2
Flexural Modulus	12000 MPa	ISO 178
Flexural Strength	300 MPa	ISO 178
Charpy notched impact strength, 23°C	28 kJ/m ²	ISO 179/1eA

Thermal properties

Temp. of deflection under load, 1.8 MPa	254 °C	ISO 75-1/-2
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Other properties

Density	1460 kg/m ³	ISO 1183
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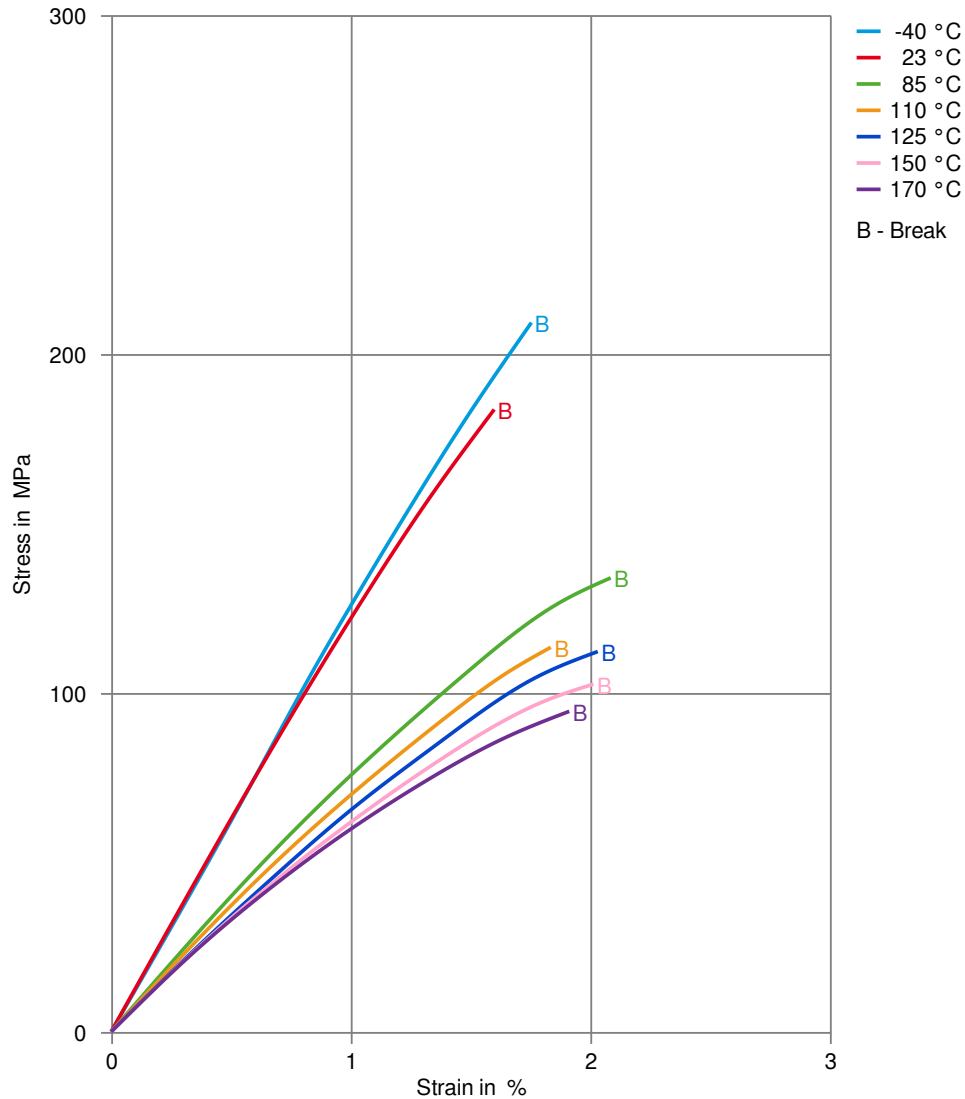
Injection

Drying Temperature	70 - 80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	0.18 %
Max. mould temperature	80 - 100 °C



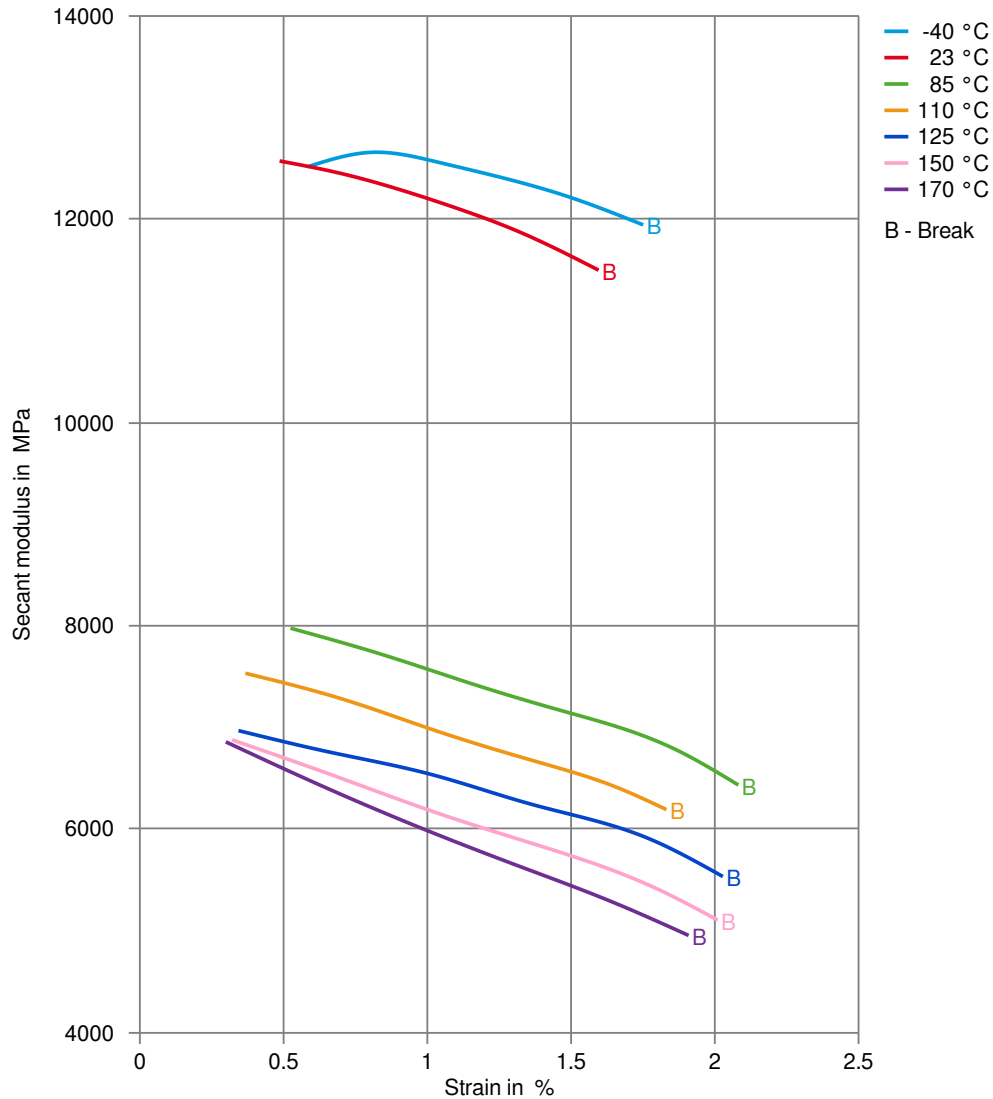
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Stress-strain



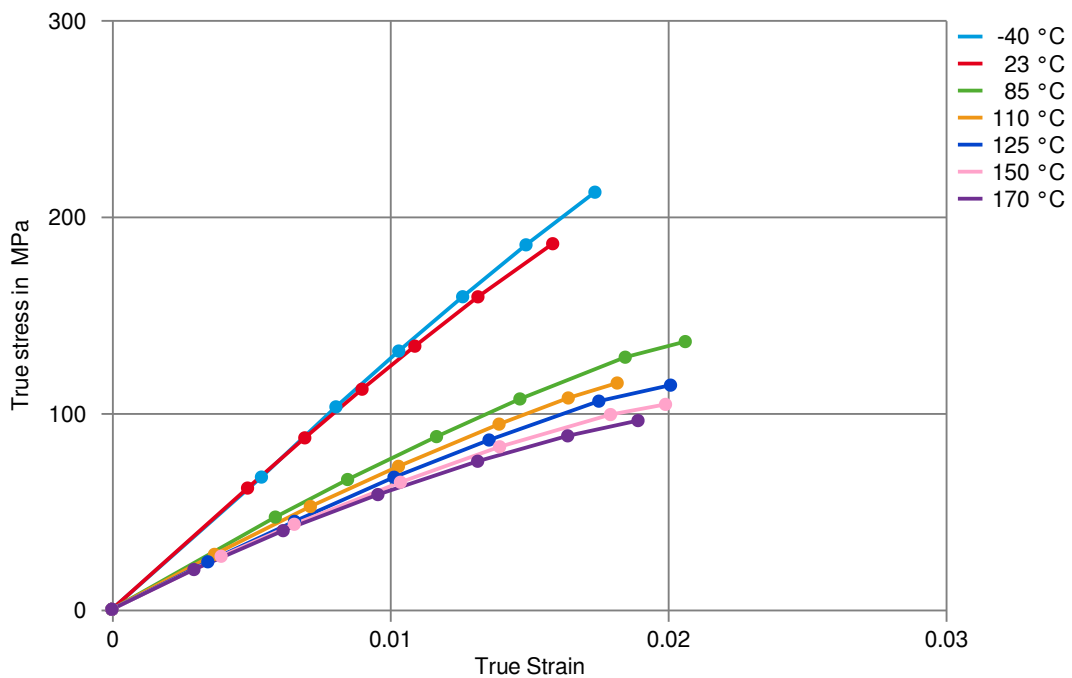
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Secant modulus-strain



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True stress-strain



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Other Approvals

Other Approvals

OEM	Specification	Additional Information
Ford	WSB-M4D678-A	
GM	GMW17810P-PA66-GF40	Black (limited approval)

