

CELSTRAN® PA66-GF50-02 AD3002 Black

Typical mechanical properties

	dry/cond.		
Tensile Modulus	16800/-	MPa	ISO 527-1/-2
Stress at break, 5mm/min	225/-	MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.59/-	%	ISO 527-1/-2
Flexural Modulus	14800/-	MPa	ISO 178
Flexural Strength	360/-	MPa	ISO 178
Charpy notched impact strength, 23°C	40/-	kJ/m ²	ISO 179/1eA

Thermal properties

Temp. of deflection under load, 1.8 MPa	261 °C	ISO 75-1/-2
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Other properties

Density	1560 kg/m ³	ISO 1183
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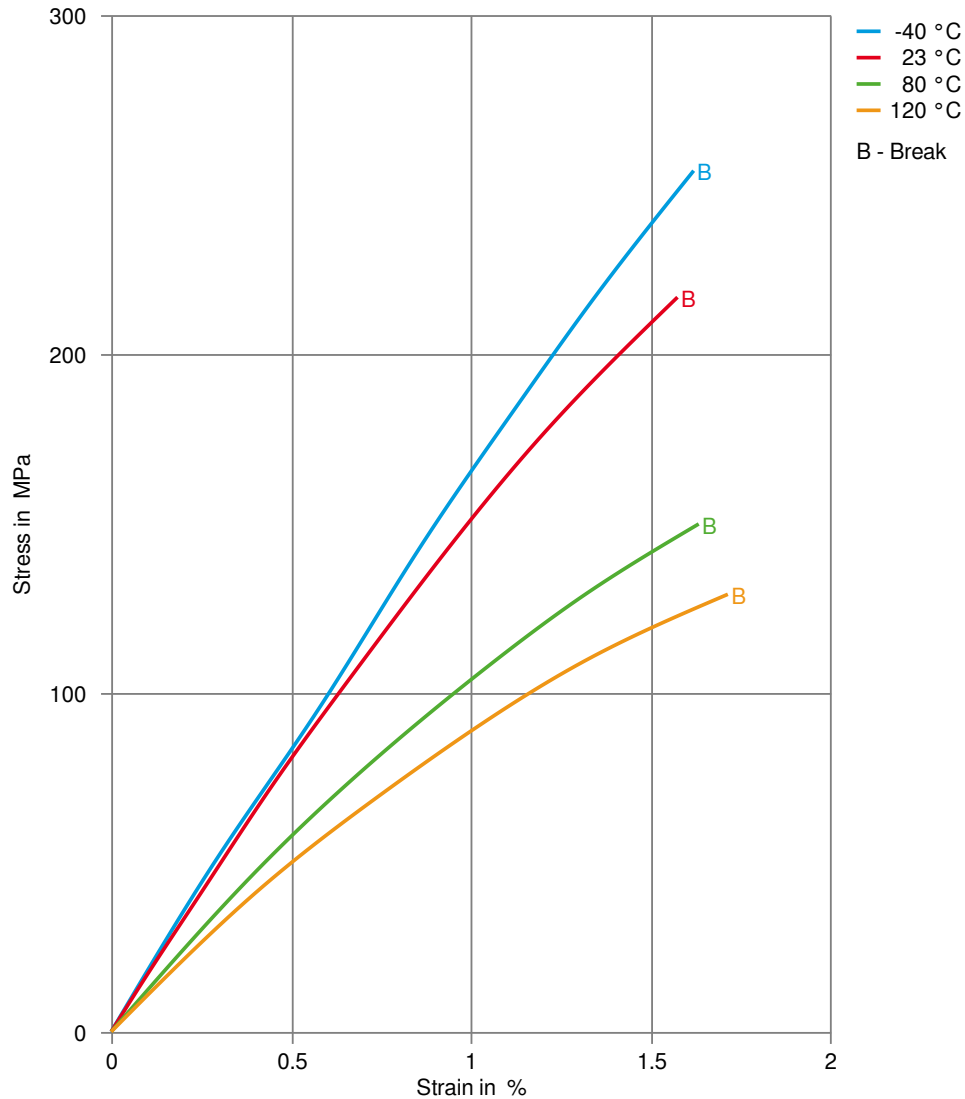
Injection

Drying Temperature	70 - 80 °C	
Drying Time, Dehumidified Dryer	2 - 4 h	
Processing Moisture Content	0.15 %	
Melt Temperature Optimum	310 °C	Internal
Screw tangential speed	0.1 m/s	
Max. mould temperature	80 - 100 °C	
Back pressure	3 MPa	



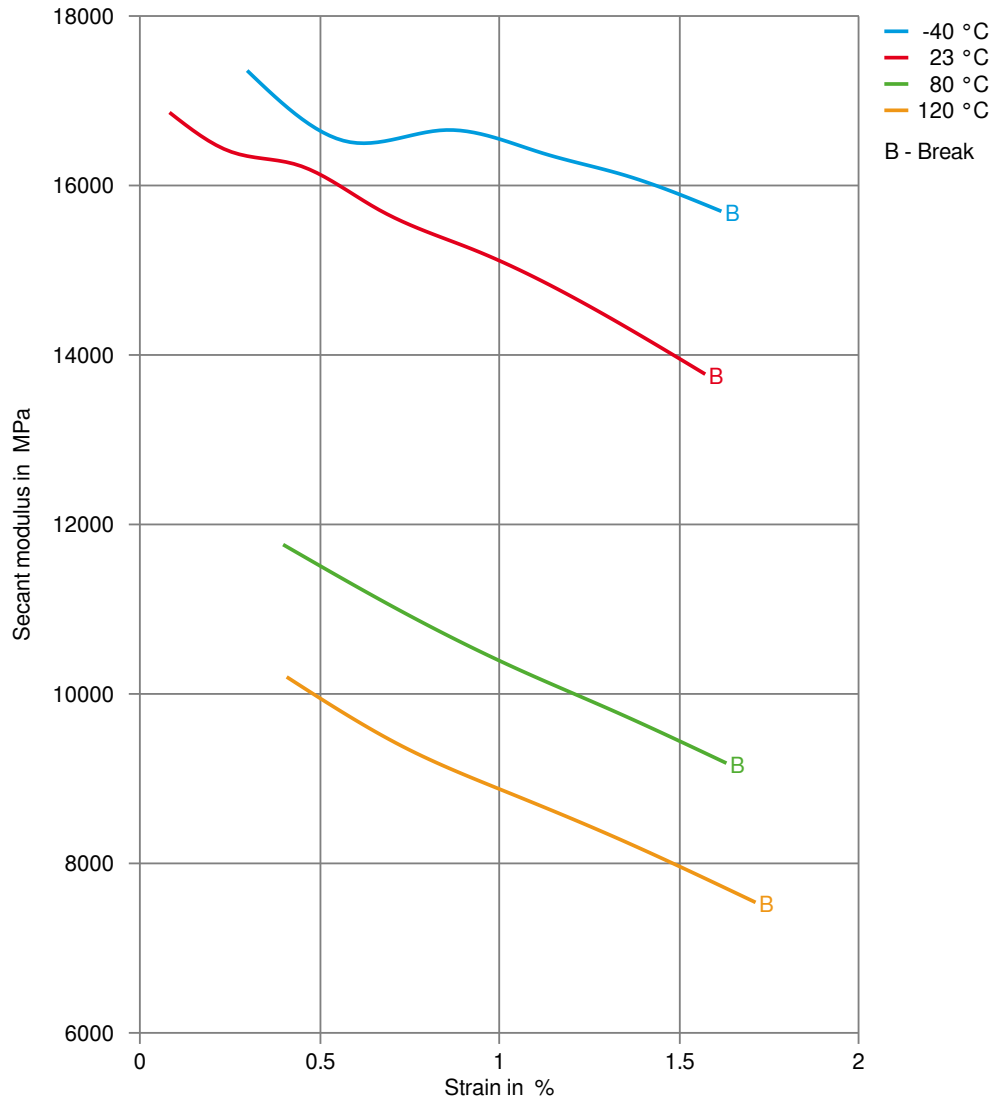
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Stress-strain



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Secant modulus-strain



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Other Approvals

Other Approvals

OEM	Specification
Ford	WSB-M4D679-A

