

HOSTAFORM® XGC10 EF XAP®2

High strength glass coupled, easy flow

Hostaform® XGC10 EF XAP®2 is an easy flowing injection molding grade reinforced with approximately 10% glass fibers, and has reduced emissions.

Emissions according to VDA 275 < 5 ppm [mg/kg].

Rheological properties

Melt volume-flow rate	12.5 cm ³ /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage range, parallel	1.0 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.1 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	4900 MPa	ISO 527-1/-2
Stress at break, 5mm/min	110 MPa	ISO 527-1/-2
Strain at break, 5mm/min	4 %	ISO 527-1/-2
Flexural Modulus	4700 MPa	ISO 178
Charpy impact strength, 23°C	60 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	6.5 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6.5 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	154 °C	ISO 75-1/-2

Other properties

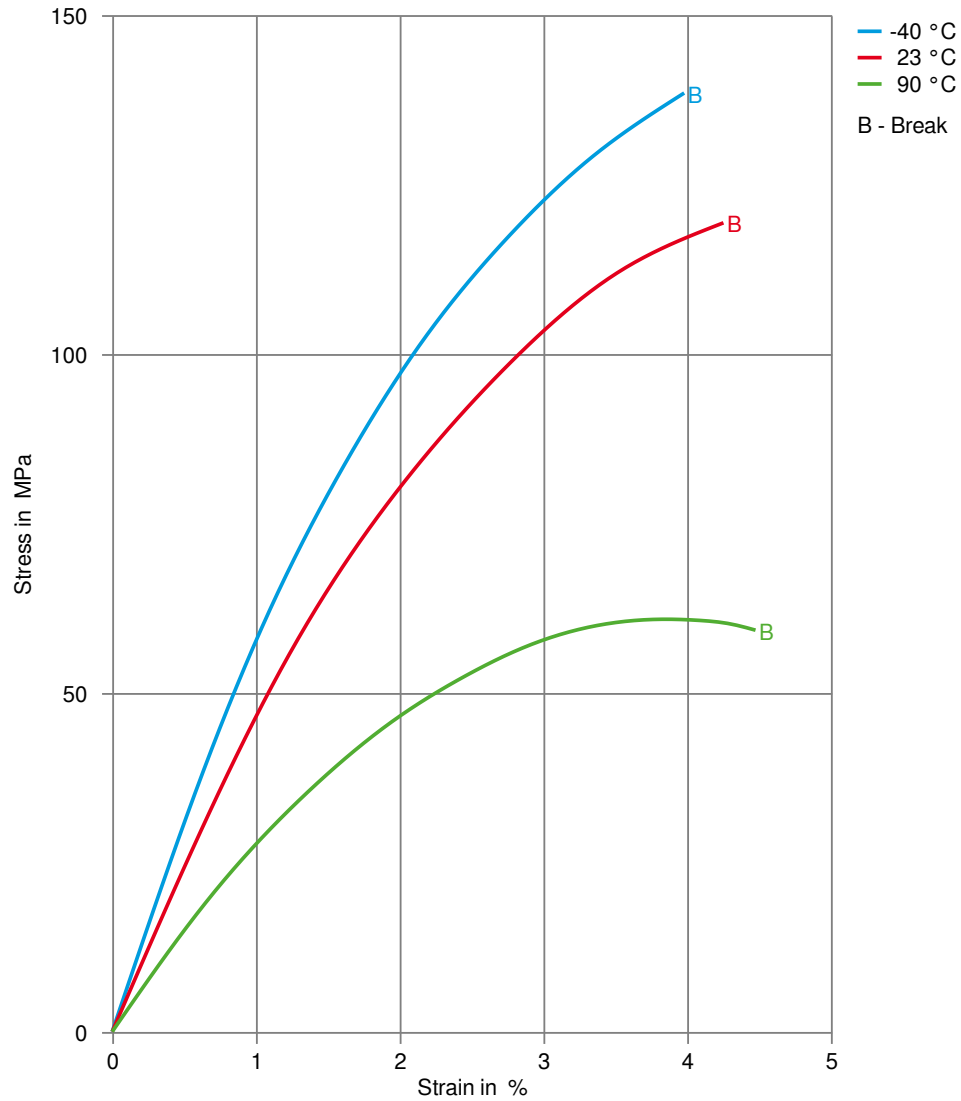
Density	1480 kg/m ³	ISO 1183
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Injection

Drying Temperature	110 - 120 °C	
Drying Time, Dehumidified Dryer	3 - 4 h	
Processing Moisture Content	0.15 %	
Melt Temperature Optimum	200 °C	Internal
Screw tangential speed	0.2 - 0.21 m/s	
Max. mould temperature	80 - 120 °C	
Back pressure	2 MPa	
Injection speed	slow	

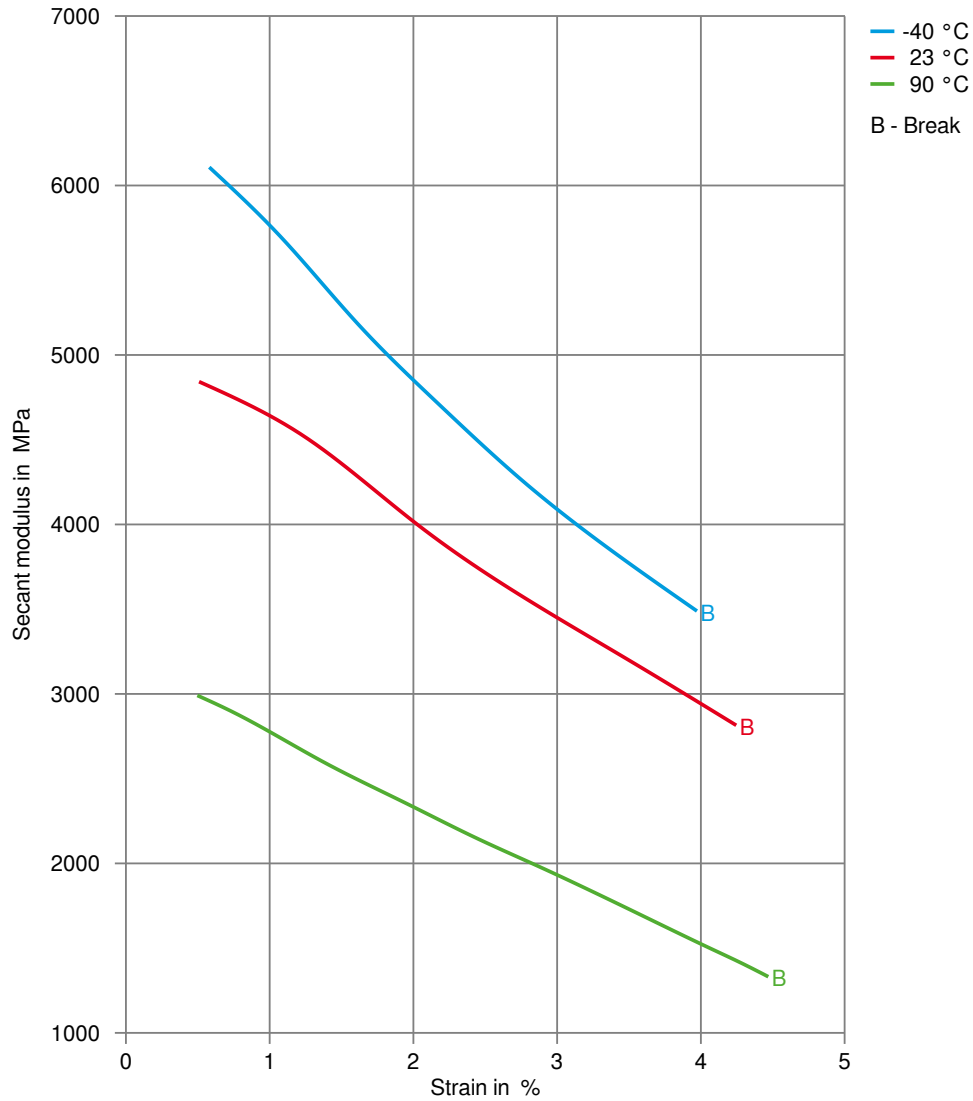
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Stress-strain



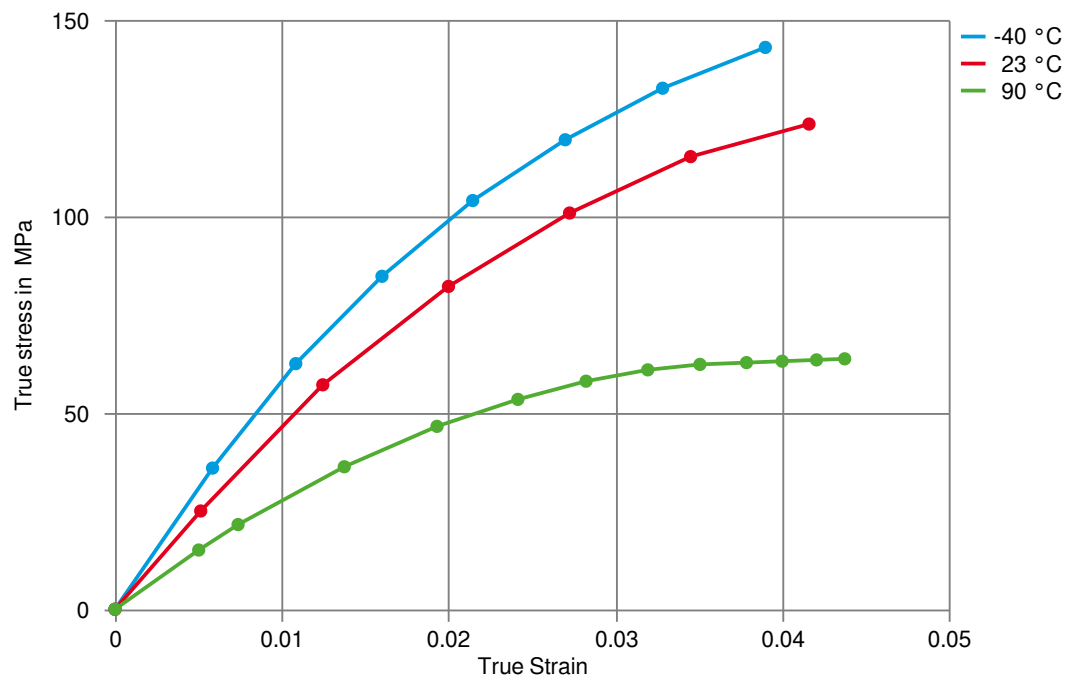
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Secant modulus-strain



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True stress-strain



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Other Approvals

Other Approvals

OEM	Specification	Additional Information
VW Group	No Spec, special part approval	PORSCHE - HELLA - DITTER PLASTIK - part in climate control unit - HF XGC10 EF XAP2