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, parallel	1.0	%	ISO 294-4, 2577
Moulding shrinkage, 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
Shear Modulus	1530	MPa	ISO 6721
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

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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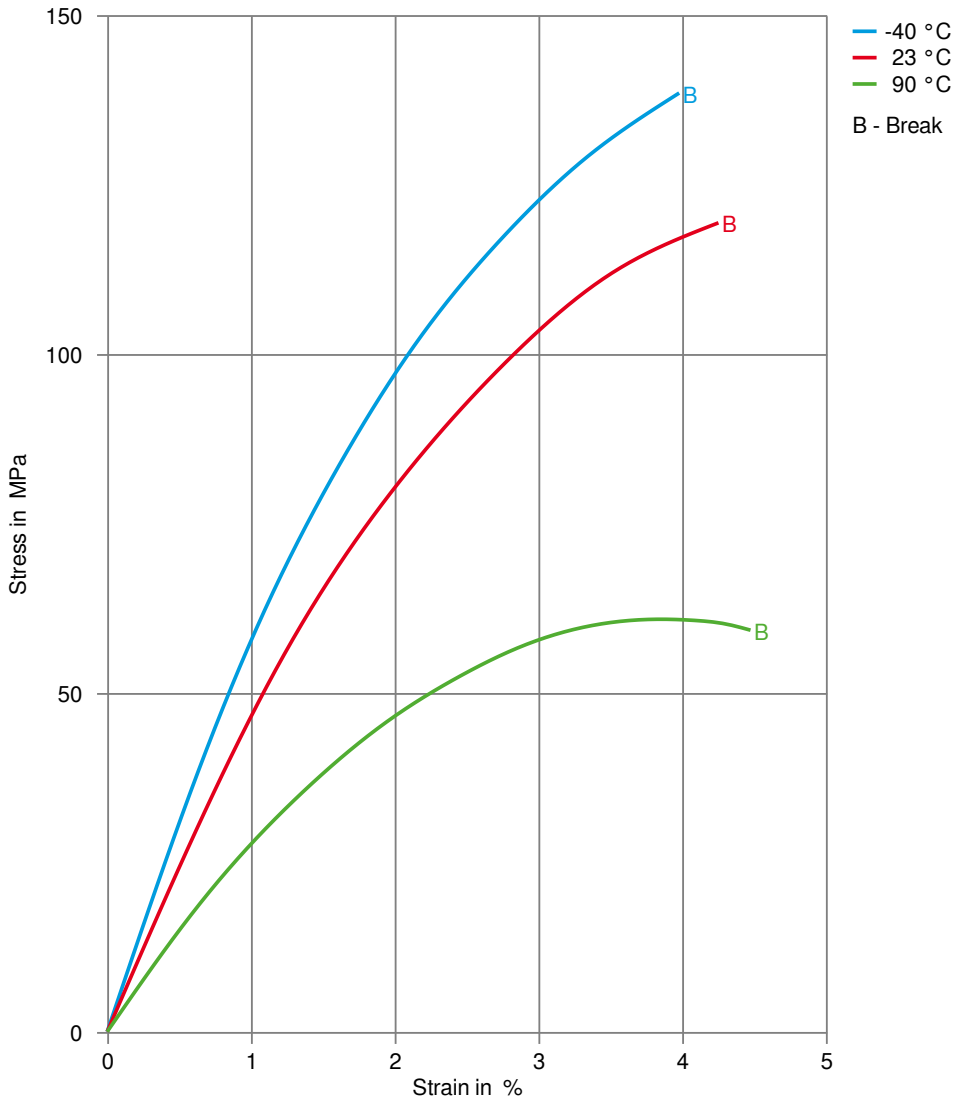
Stress-strain



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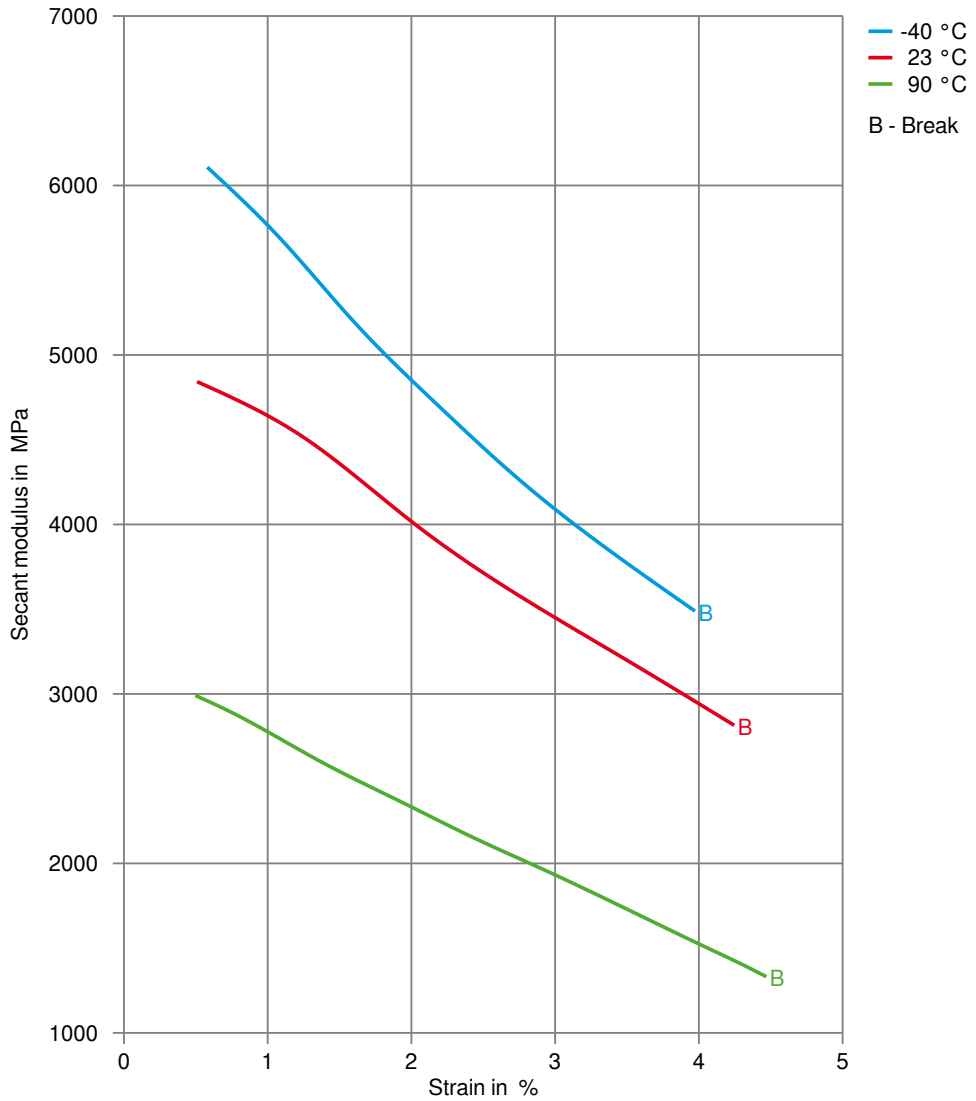
Secant modulus-strain



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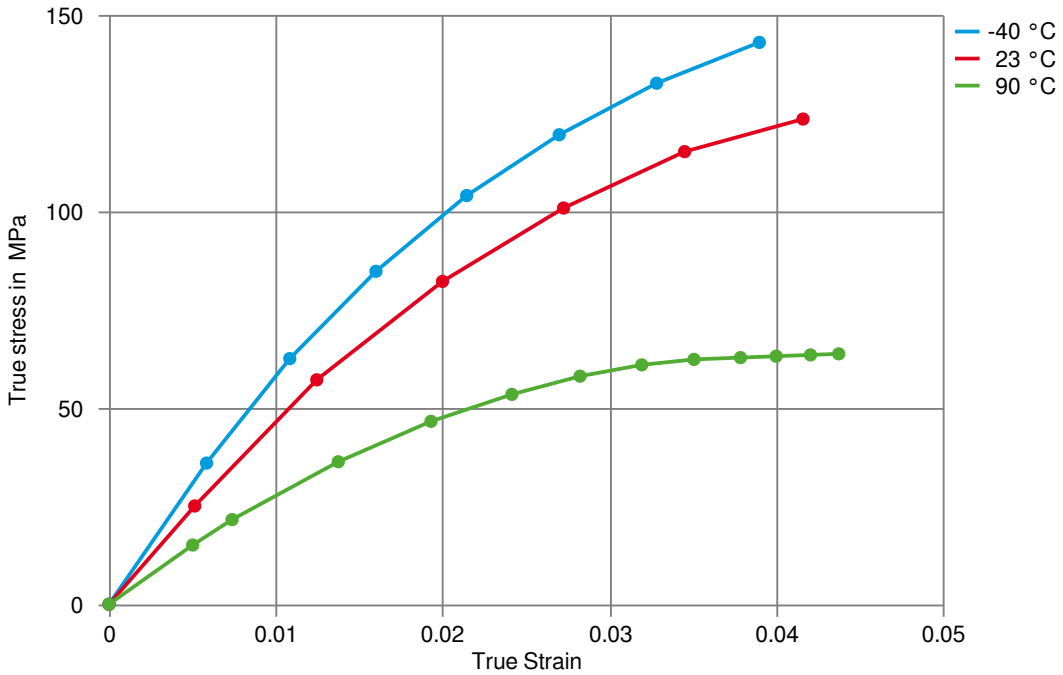
True stress-strain



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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

Revised: 2023-07-14 Source: Celanese Materials Database