

# HOSTAFORM® XGC25 EF XAP®2

High strength glass coupled, easy flow

Hostaform® XGC25 EF XAP®2 is an easy flowing injection molding grade with approximately 25% glass fibers and reduced emission.

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

## Rheological properties

Melt volume-flow rate	5 cm <sup>3</sup> /10min	ISO 1133
Temperature	190 °C	
Load	2.16 kg	
Moulding shrinkage, parallel	0.5 %	ISO 294-4, 2577
Moulding shrinkage, normal	1.1 %	ISO 294-4, 2577

## Typical mechanical properties

Tensile Modulus	9000 MPa	ISO 527-1/-2
Stress at break, 5mm/min	155 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3 %	ISO 527-1/-2
Shear Modulus	2100 MPa	ISO 6721
Charpy impact strength, 23°C	65 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	11 kJ/m <sup>2</sup>	ISO 179/1eA

## Thermal properties

Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	160 °C	ISO 75-1/-2

## Other properties

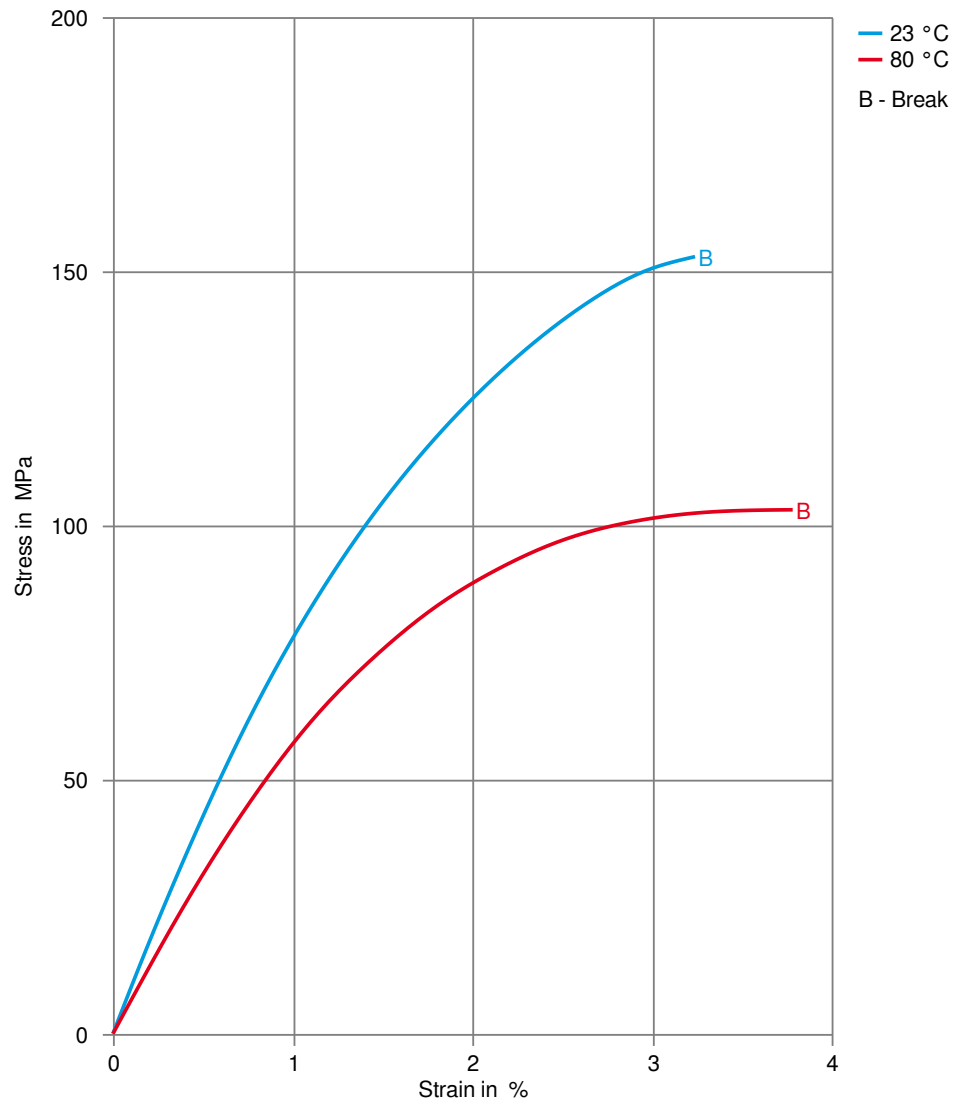
Density	1580 kg/m <sup>3</sup>	ISO 1183
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## Injection

Drying Temperature	100 - 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	

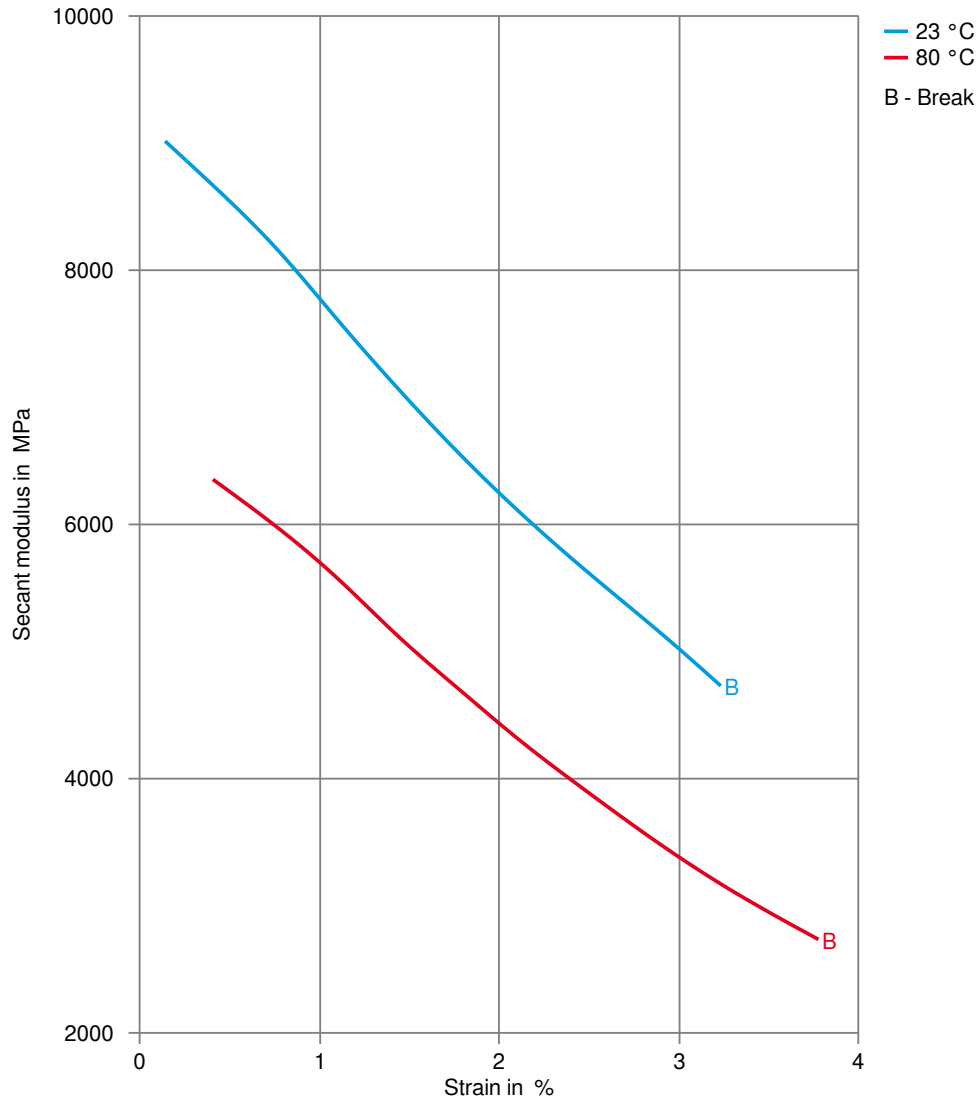
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## Stress-strain



# HOSTAFORM® XGC25 EF XAP®2

## Secant modulus-strain



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