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# HOSTAFORM® XGC10 EF XAP®2

## HOSTAFORM®

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].

## Product information

| | | |
|---|---|---|
| Resin Identification | POM-GF10 | ISO 1043 |
| Part Marking Code | >POM-GF10< | ISO 11469 |

## Rheological properties

| | | | |
|---|---|---|---|
| Melt volume-flow rate | 12 | $cm^3$/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 |
| Tensile stress at break, 5mm/min | 110 | MPa | ISO 527-1/-2 |
| Tensile 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 |
| Poisson's ratio | 0.35[C] | | |

[C]: Calculated

## Thermal properties

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

## Flammability

| | | | |
|---|---|---|---|
| FMVSS Class | B | | ISO 3795 (FMVSS 302) |
| Burning rate, Thickness 1 mm | 81 | mm/min | ISO 3795 (FMVSS 302) |

## Physical/Other properties

| | | | |
|---|---|---|---|
| Density | 1480 | $kg/m^3$ | ISO 1183 |

## Injection

| | | |
|---|---|---|
| Drying Recommended | no | |
| Drying Temperature | 100 | °C |
| Drying Time, Dehumidified Dryer | 3 - 4 | h |
| Processing Moisture Content | ≤0.2 | % |
| Melt Temperature Optimum | 200 | °C |
| Min. melt temperature | 190 | °C |
| Max. melt temperature | 210 | °C |
| Screw tangential speed | ≤0.3 | m/s |

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| | | |
|---|---|---|
| Mold Temperature Optimum | 100 | °C |
| Min. mould temperature | 80 | °C |
| Max. mould temperature | 120 | °C |
| Hold pressure range | 60 - 120 | MPa |
| Back pressure | 2 | MPa |
| Ejection temperature | 138 | °C |

## Characteristics

| | |
|---|---|
| Processing | Injection Moulding |
| Special characteristics | High Flow, Low emissions |

## Automotive

| OEM | ADDITIONAL INFORMATION |
|---|---|
| VW Group | No Spec, Special Part Approval, See Your CE Account Manager. |

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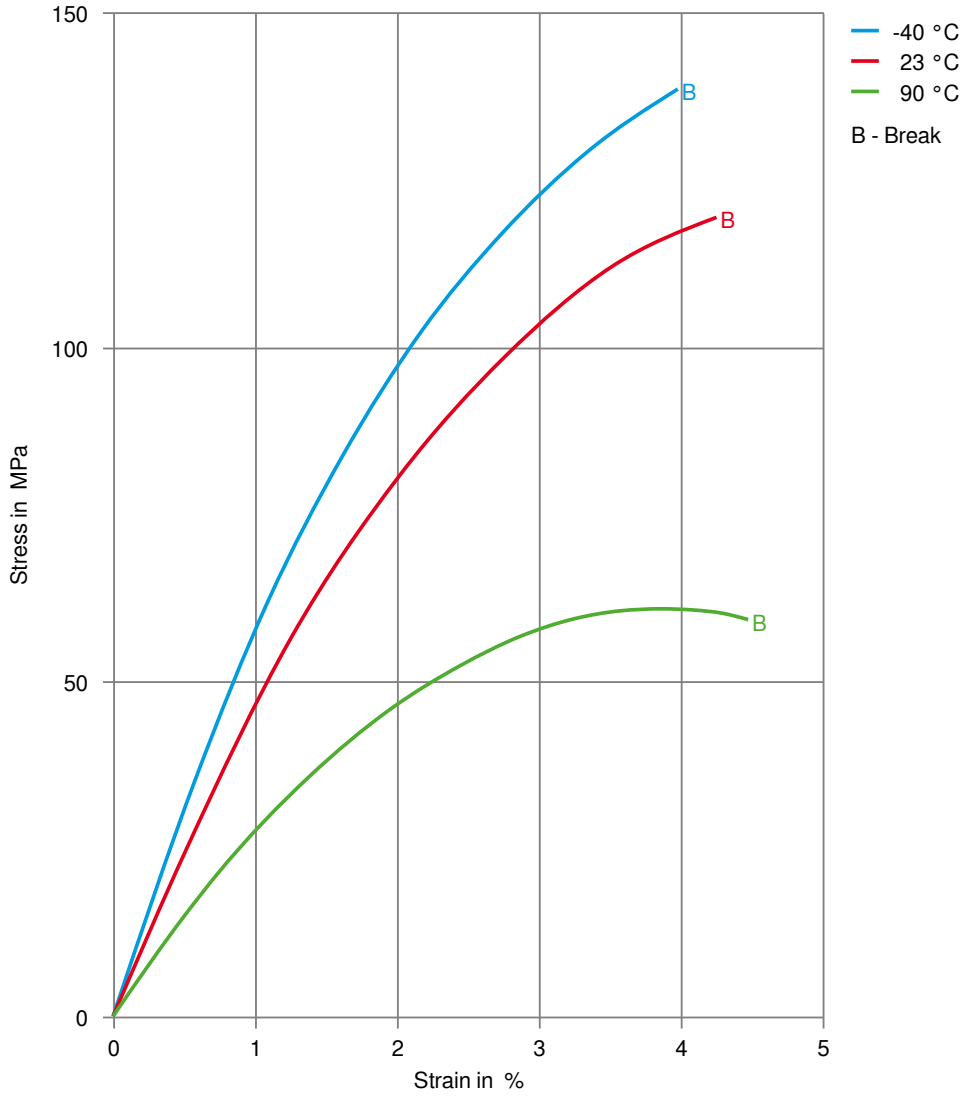
### Stress-strain



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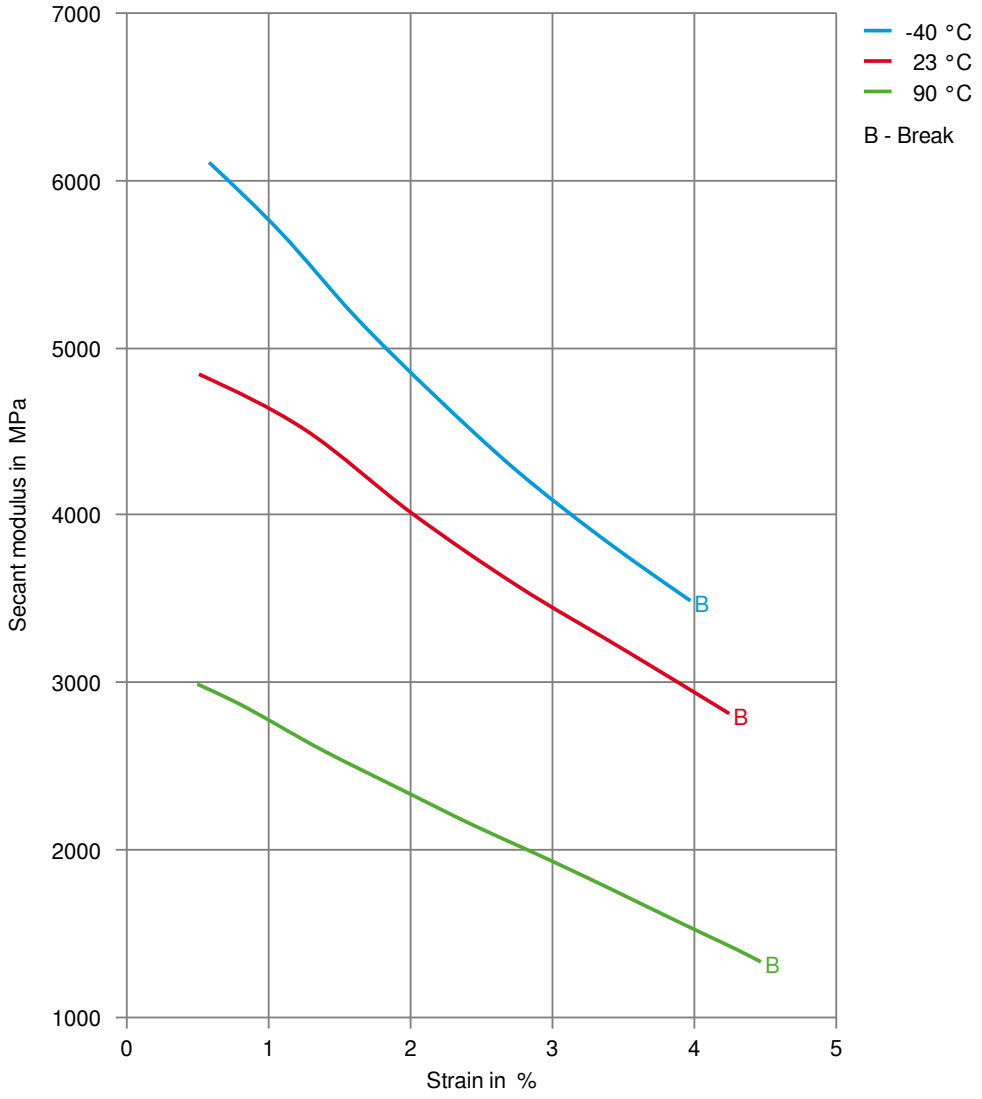
### Secant modulus-strain






Revised: 2025-04-18 Source: Celanese Materials Database