

High strength glass coupled

Hostaform® XGC25 XAP® is an acetal copolymer reinforced with approximately 25% glass fibers. Compared to the Hostaform® C 9021 GV 1/30, Hostaform® XGC25 XAP® has a higher strength and lower emissions.

ISO 29988-POM-K,(GF25),EM,0-3

#### **Rheological properties**

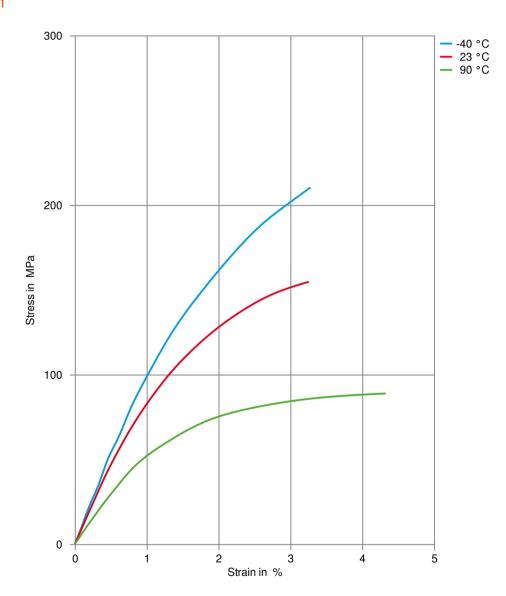
Temperature19Load2.1Moulding shrinkage, parallel0.1	2 cm³/10min ISO 1133   0 °C 5 kg   5 % ISO 294-4, 2577   0 % ISO 294-4, 2577
Typical mechanical properties	
Stress at break, 5mm/min159Strain at break, 5mm/min3.9Flexural Modulus8300Compressive stress at 1% strain89Shear Modulus1744Charpy impact strength, 23°C70Charpy notched impact strength, 23°C13	0 MPa ISO 527-1/-2   5 MPa ISO 527-1/-2   5 % ISO 527-1/-2   0 MPa ISO 527-1/-2   0 MPa ISO 178   5 MPa ISO 604   0 MPa ISO 6721   0 kJ/m² ISO 179/1eU   3 kJ/m² ISO 179/1eA   4 kJ/m² ISO 179/1eA   5 ISO 2039-2 ISO 2039-2
Thermal propertiesMelting temperature, 10°C/min160Temp. of deflection under load, 1.8 MPa160Temp. of deflection under load, 0.45 MPa160Coeff. of linear therm. expansion, parallel30	6 °C ISO 11357-1/-3 0 °C ISO 75-1/-2 6 °C ISO 75-1/-2 0 E-6/K ISO 11359-1/-2 0 E-6/K ISO 11359-1/-2
	9 % Sim. to ISO 62 ) kg/m <sup>3</sup> ISO 1183
0	↓ h 5 % ) °C Internal ↓ m/s

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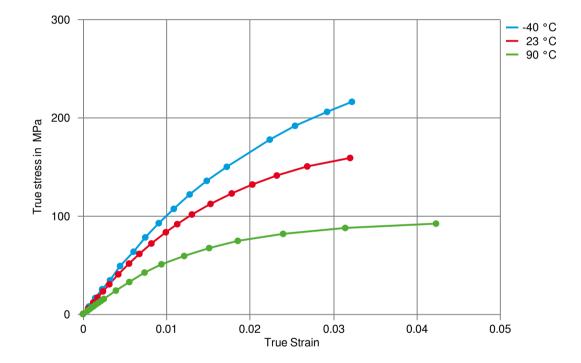
Back pressure Injection speed 2 MPa slow

### Stress-strain





#### True stress-strain





#### **Processing Texts**

Pre-drying

Drying is not normally required. If material has come in contact with moisture through improper storage or handling or through regrind use, drying may be necessary to prevent splay and odor problems.

Longer pre-drying times/storage

The product can then be stored in standard conditions until processed.

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