

TECNOPRENE® A60K4

TECNOPRENE®

Polypropylene, homopolymer, 20% glass fiber reinforced, chemically coupled.

Product information

Resin Identification	PP-GF20	ISO 1043
Part Marking Code	>PP-GF20<	ISO 11469

Rheological properties

Melt mass-flow rate	3.8 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage range, parallel	0.4 - 0.6 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.5 - 0.9 %	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	4600 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	70 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.5 %	ISO 527-1/-2
Flexural modulus	4300 MPa	ISO 178
Flexural strength	110 MPa	ISO 178
Izod notched impact strength, 23°C	10 kJ/m ²	ISO 180/1A
Poisson's ratio	0.36 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	141 °C	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	30 E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	150 E-6/K	ISO 11359-1/-2

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
Burning Behav. at thickness h	HB class	IEC 60695-11-10
Thickness tested	3.2 mm	IEC 60695-11-10
FMVSS Class	B	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	70.9 mm/min	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	1040 kg/m ³	ISO 1183
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Injection

Ejection temperature	116 °C
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Characteristics

Processing	Injection Moulding
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Additional information

Processing Notes

Storage

This product should be stored in a covered facility and kept away from moisture and heat.

Automotive

OEM

Bosch

Bosch

VW Group

STANDARD

N28 BN09-GF004

N28 BN09-GF004

VW 44045

ADDITIONAL INFORMATION

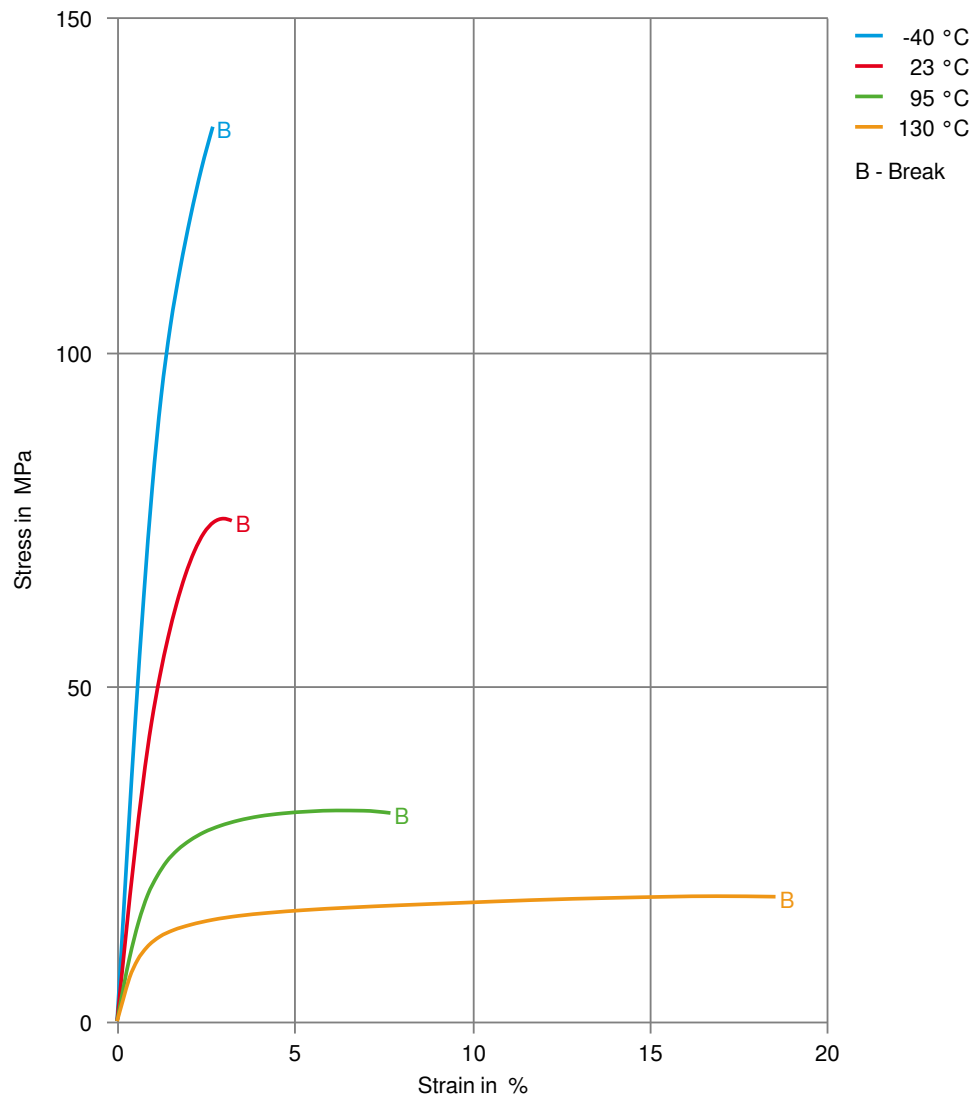
Natural

Black

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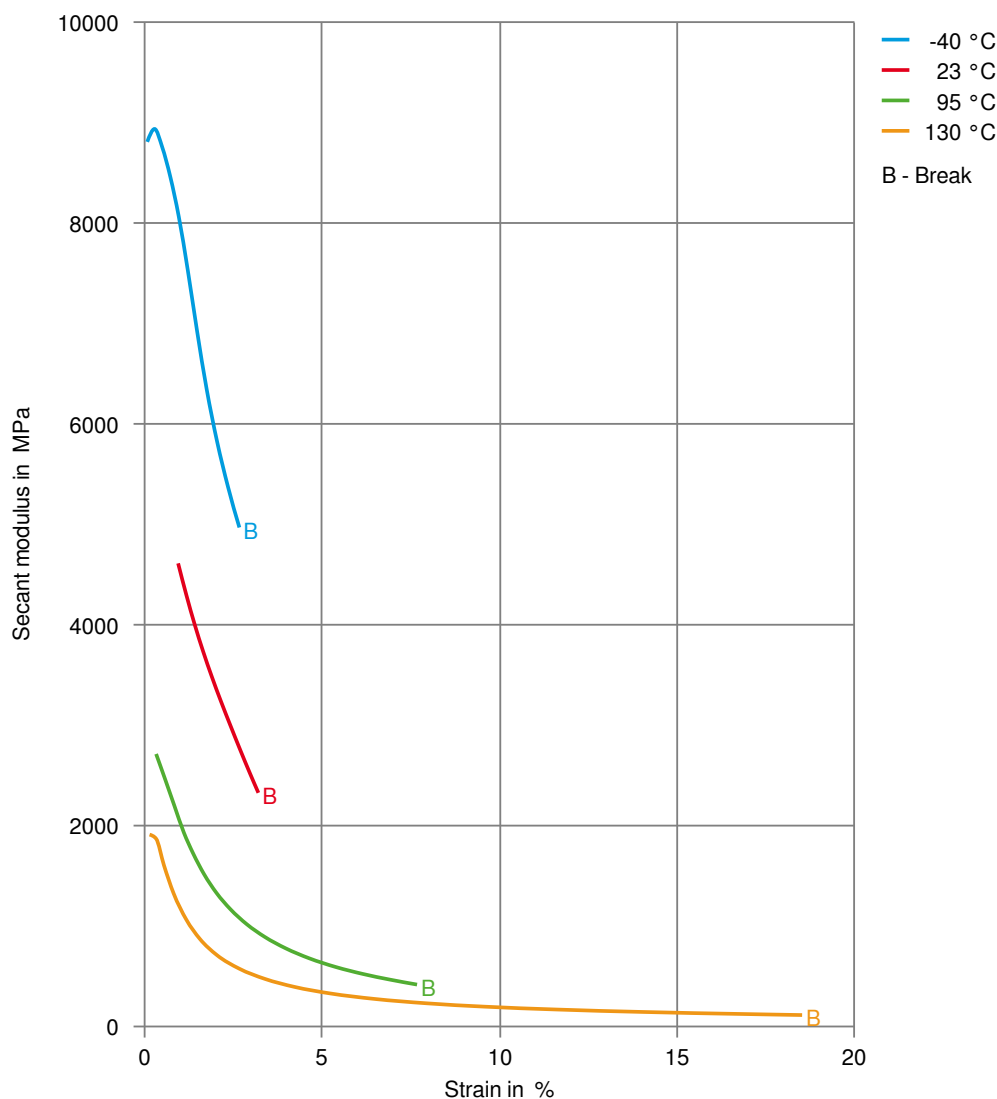
Stress-strain



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Secant modulus-strain



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