

TECNOPRENE® A60K6

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled.

Rheological properties

Moulding shrinkage range, parallel	0.2 - 0.5 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.4 - 0.8 %	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	6500 MPa	ISO 527-1/-2
Stress at break, 5mm/min	85 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3.3 %	ISO 527-1/-2
Flexural Modulus	6000 MPa	ISO 178
Flexural Strength	130 MPa	ISO 178
Charpy impact strength, 23°C	50 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	11 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	11 kJ/m ²	ISO 180/1A

Thermal properties

Temp. of deflection under load, 1.8 MPa	146 °C	ISO 75-1/-2
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Flammability

Burning Behav. at thickness h	HB class	UL 94
Thickness tested	1.50 mm	UL 94
UL recognition	yes	UL 94

Electrical properties

Volume resistivity	>1E13 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E14 Ohm	IEC 62631-3-2
Comparative tracking index M	600 ^[1]	IEC 60112
Relative permittivity, printed circuits and boards, 2.5 GHz	2.68	IEC 61189-2-721
Relative permittivity, printed circuits and boards, 10 GHz	2.68	IEC 61189-2-721
Dissipation factor, printed circuits and boards, 2.5 GHz	21 E-4	IEC 61189-2-721
Dissipation factor, printed circuits and boards, 10 GHz	25 E-4	IEC 61189-2-721

[1]: 100 drops



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Other properties

Density

1130 kg/m³

ISO 1183

Injection

Drying Temperature

80 - 100 °C

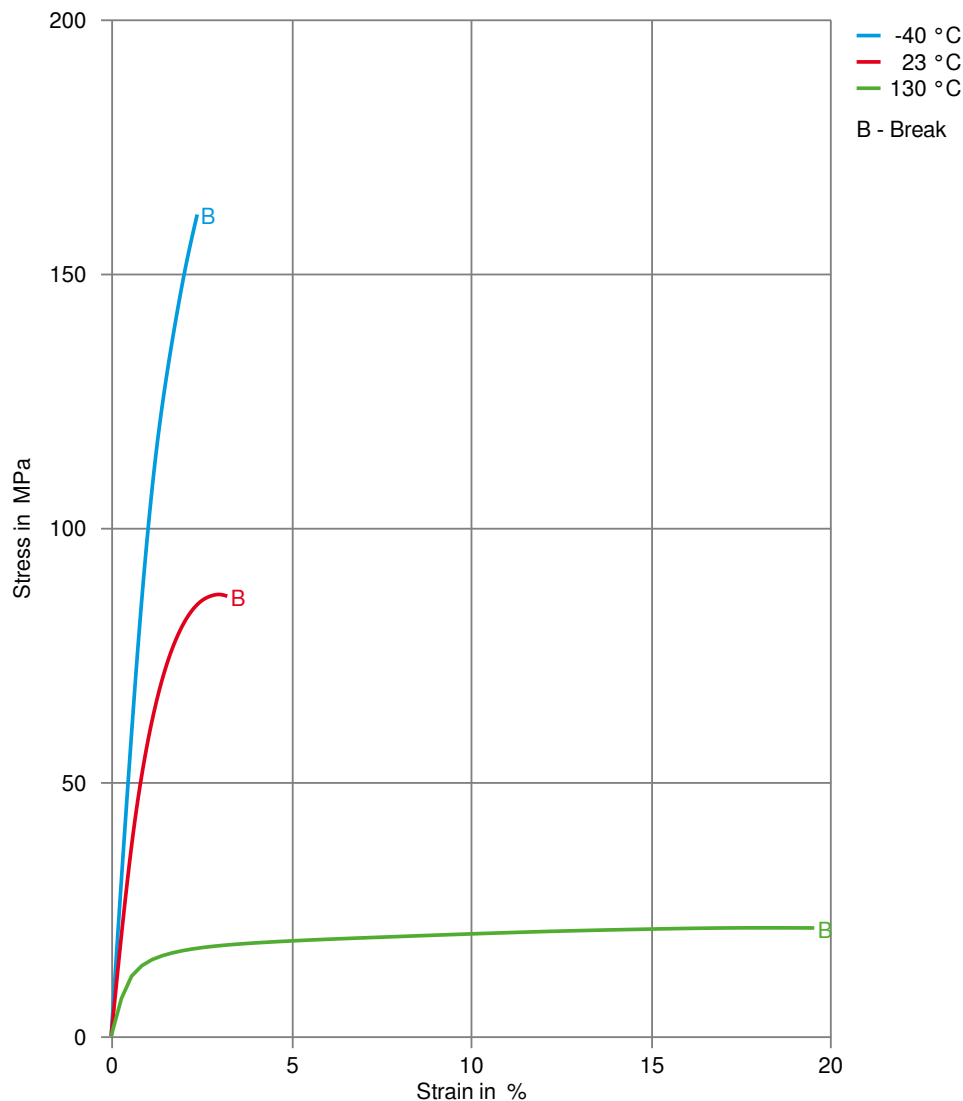
Drying Time, Dehumidified Dryer

2 - 3 h

Max. mould temperature

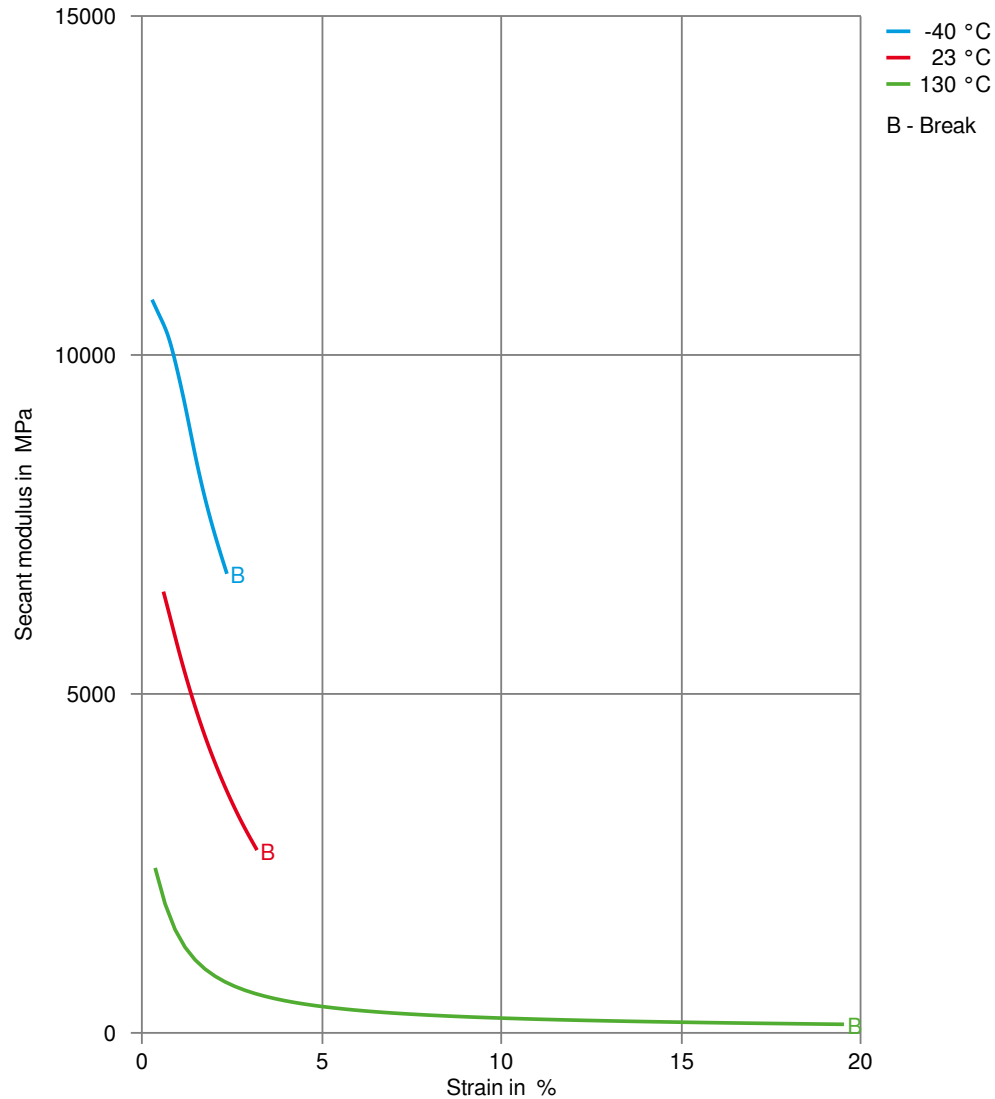
50 - 80 °C

Stress-strain



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Secant modulus-strain



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Processing Texts

Longer pre-drying times/storage

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

Other Approvals

Other Approvals

OEM	Specification	Additional Information
Bosch	N28 BN09-GF011	Colors
Mercedes-Benz Group (Daimler)	DBL 5416	AA00, AA90

