

TECNOPRENE® A60K6

TECNOPRENE®

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

Product information

Resin Identification	PP-GF30	ISO 1043
Part Marking Code	>PP-GF30<	ISO 11469

Rheological properties

Melt mass-flow rate	2.8 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage range, parallel	0.2 - 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
Tensile stress at break, 5mm/min	85 MPa	ISO 527-1/-2
Tensile 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
Poisson's ratio	0.35 ^[C]	

[C]: Calculated

Thermal properties

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

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
Thickness tested	1.5 mm	IEC 60695-11-10
UL recognition	yes	UL 94
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	57.3 mm/min	ISO 3795 (FMVSS 302)

Electrical properties

Volume resistivity	>1E13 Ohm.m	IEC 62631-3-1
Surface resistivity	1E14 Ohm	IEC 62631-3-2
Comparative tracking index M	600	IEC 60112
Relative permittivity, printed circuits and boards, 2.5 GHz	2.7	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

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Dissipation factor, printed circuits and boards, 10 GHz

25 E-4

IEC 61189-2-721

Physical/Other properties

Density

1130 kg/m³

ISO 1183

Characteristics

Processing

Injection Moulding

Additional information

Processing Notes

Storage

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

Automotive

OEM

STANDARD

ADDITIONAL INFORMATION

Bosch

N28 BN09-GF011

Colors

General Motors

GMW16607P-PP-GF30

Mercedes-Benz

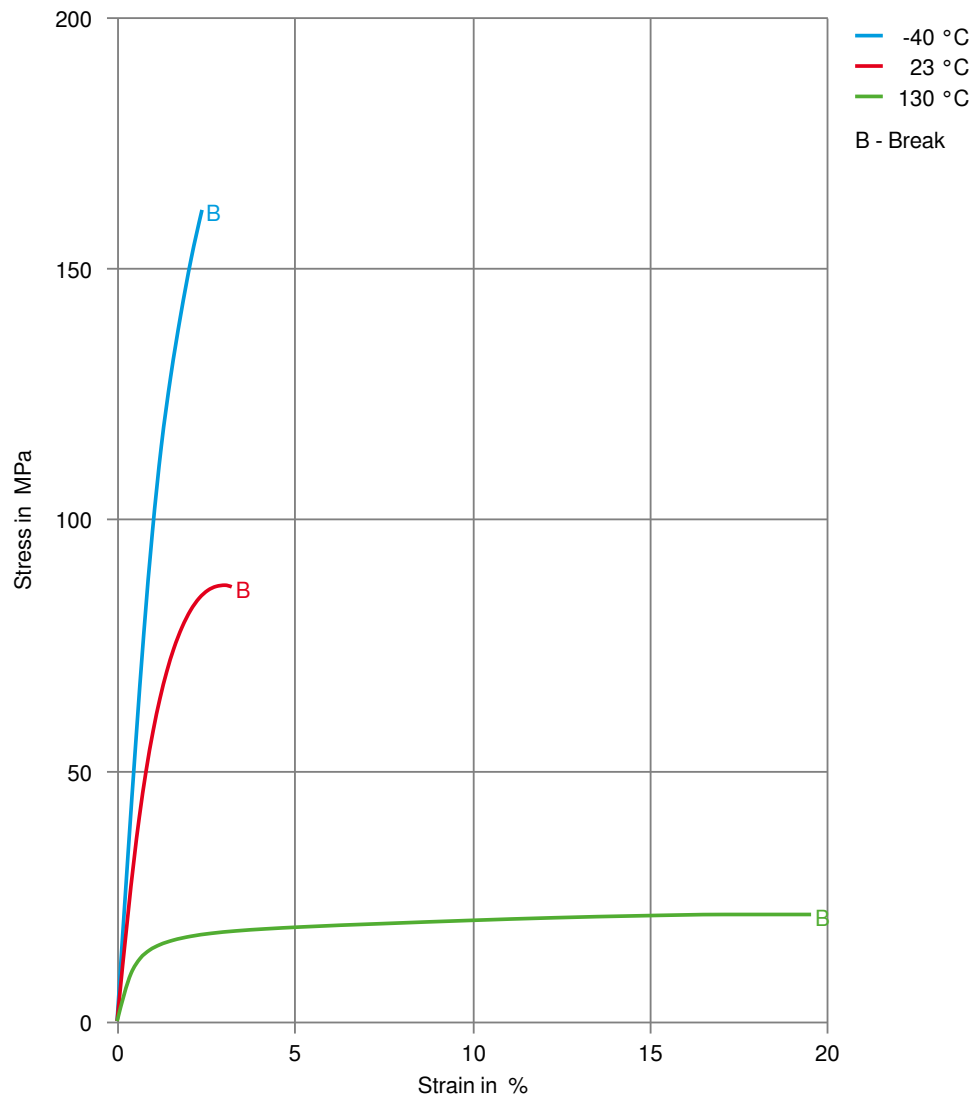
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AA00, AA90

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Stress-strain



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Secant modulus-strain

