Celanese
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TECNOPRENE® A60K6

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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/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	11	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	11	kJ/m²	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

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	DBL5416	AA00, AA90

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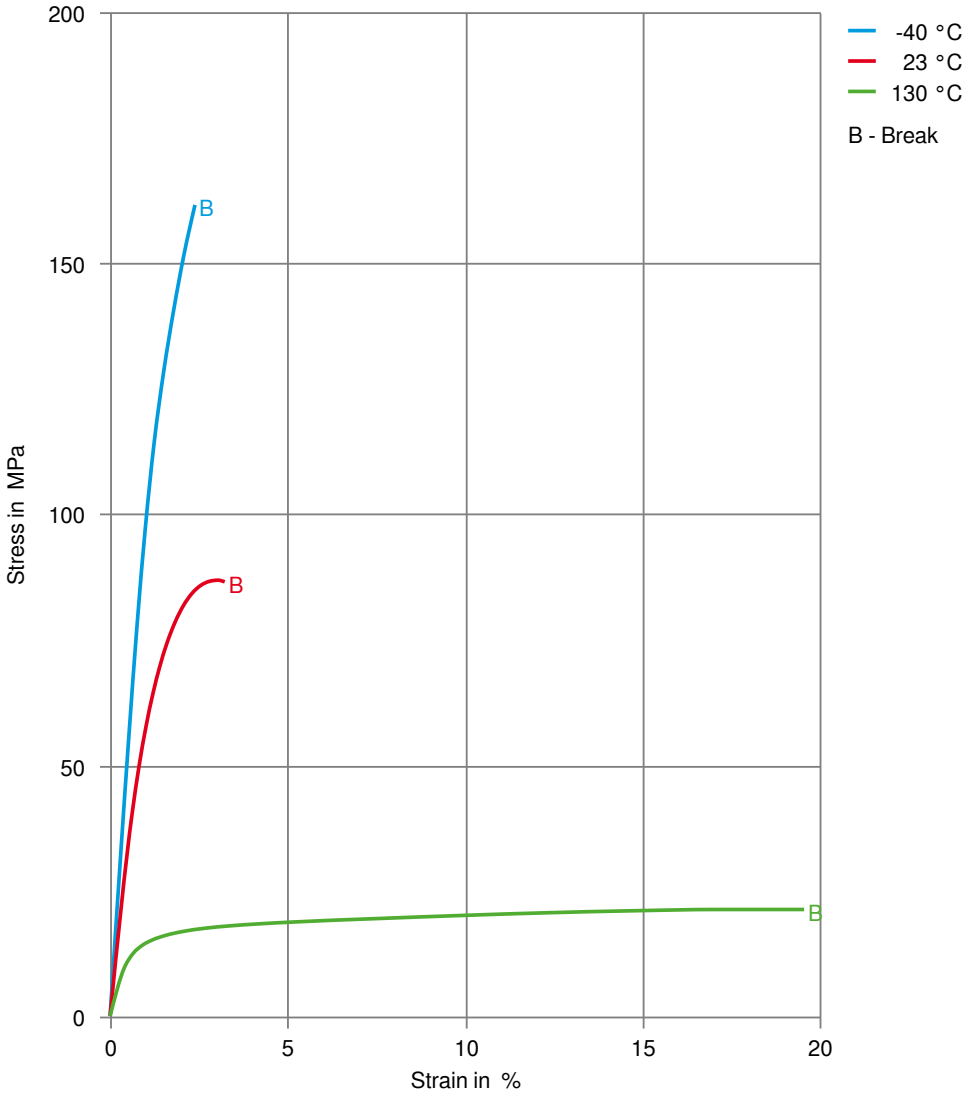
Stress-strain



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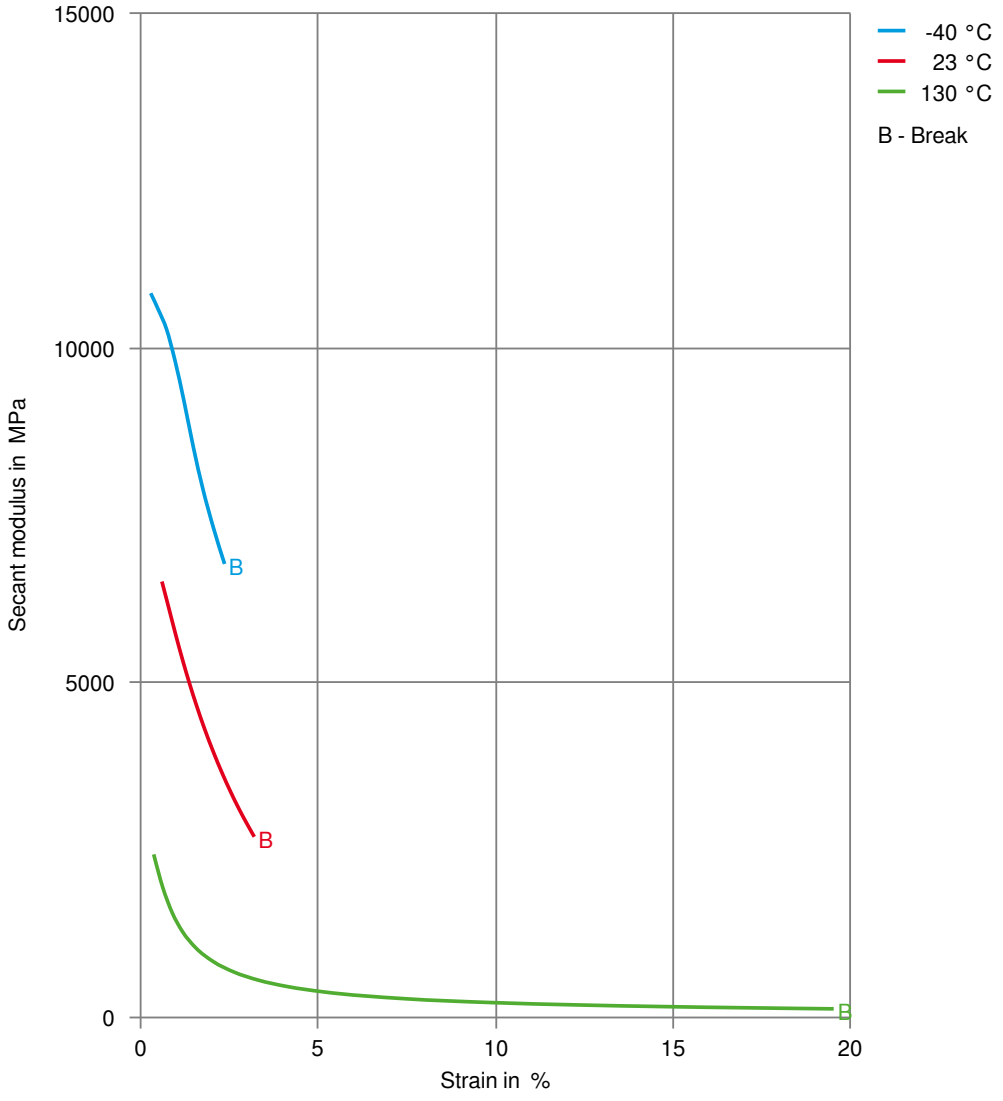
Secant modulus-strain



Revised: 2025-04-21 Source: Celanese Materials Database