Celanese
The chemistry inside innovation™

TECNOPRENE® A60K4

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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/m²	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/m³	ISO 1183

Injection

Ejection temperature	116	°C

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	STANDARD	ADDITIONAL INFORMATION
Bosch	N28 BN09-GF004	Natural
Bosch	N28 BN09-GF004	Black
VW Group	VW 44045	

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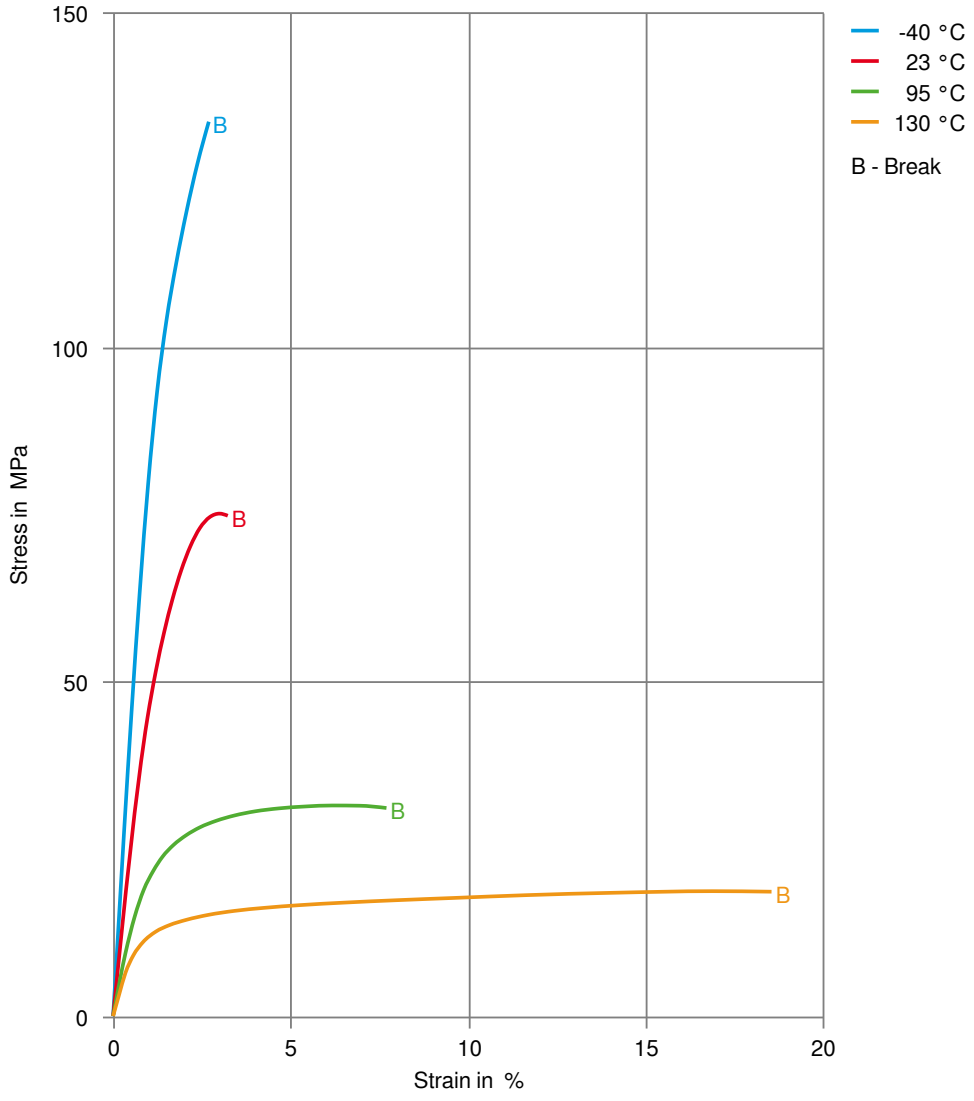
Stress-strain



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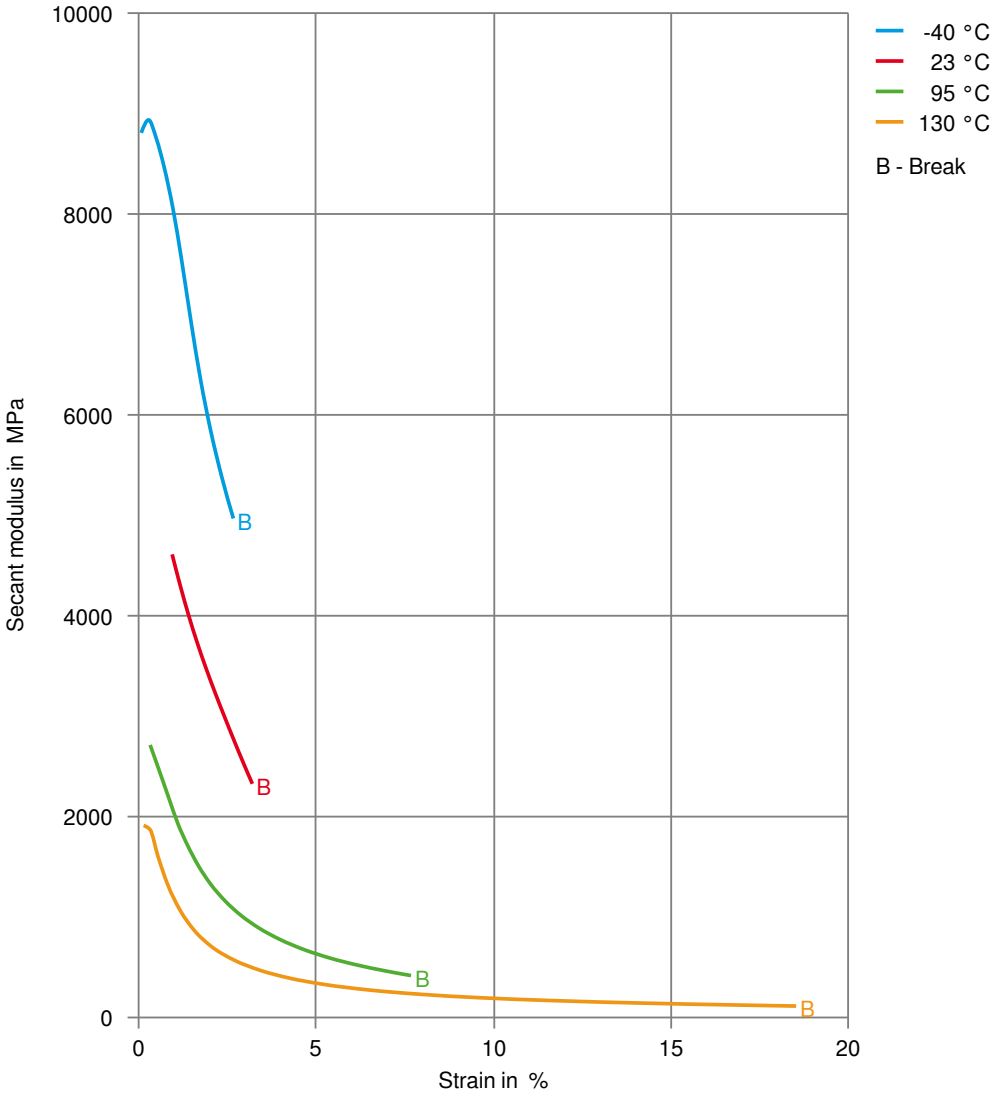
Secant modulus-strain



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