Celanese
The chemistry inside innovation™

TECNOPRENE® FK10

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Polypropylene, homopolymer, 50% glass fiber reinforced, chemically coupled.

Product information

Resin Identification	PP-GF50		ISO 1043
Part Marking Code	>PP-GF50<		ISO 11469

Rheological properties

Melt mass-flow rate	5	g/10min	ISO 1133
Melt mass-flow rate, Temperature	230	°C	
Melt mass-flow rate, Load	2.16	kg	

Typical mechanical properties

Tensile stress at break, 5mm/min	105	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5	%	ISO 527-1/-2
Flexural modulus	10800	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Charpy notched impact strength, 23°C	11.5	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	12	kJ/m²	ISO 180/1A

Thermal properties

Temperature of deflection under load, 1.8 MPa	151	°C	ISO 75-1/-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	70.2	mm/min	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	1330	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.

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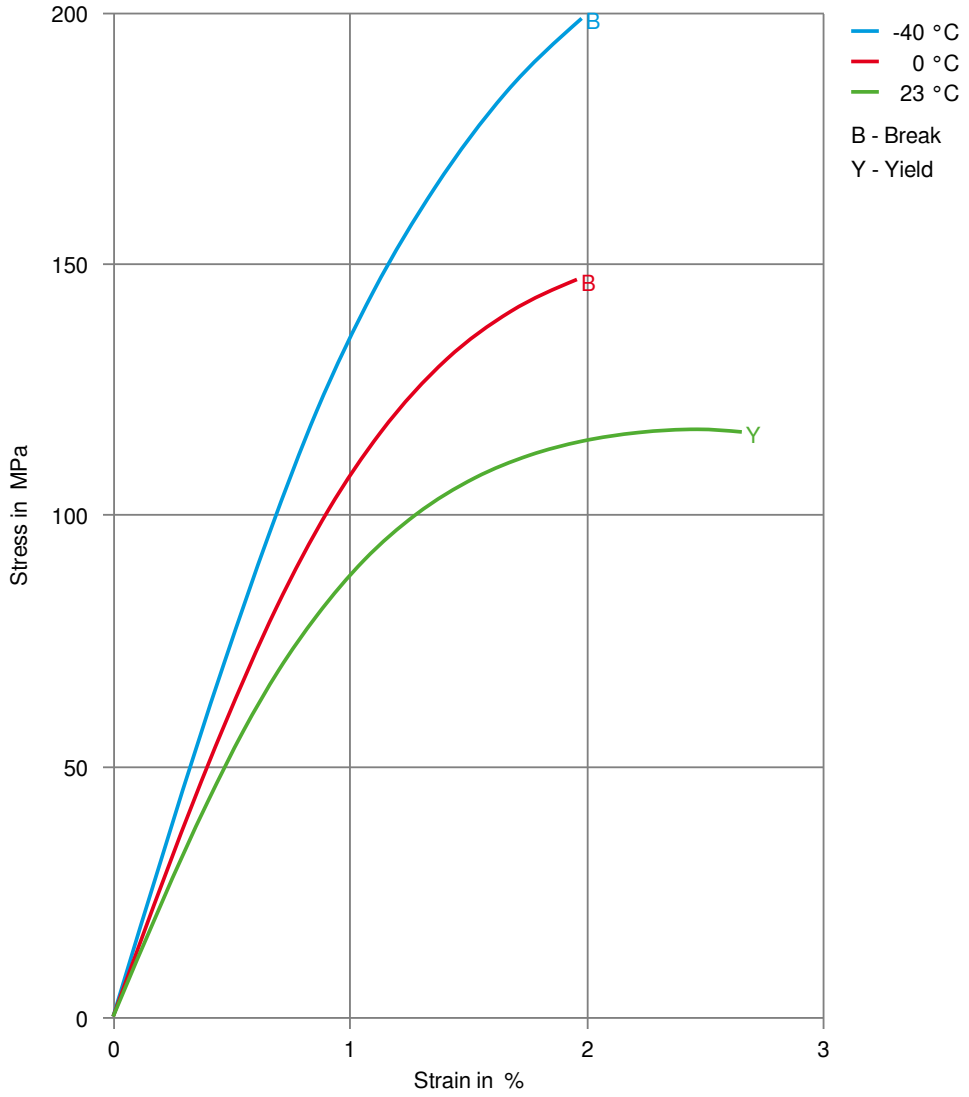
Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Stellantis - Chrysler	MS.50042 / CPN-5223	Natural

Stress-strain



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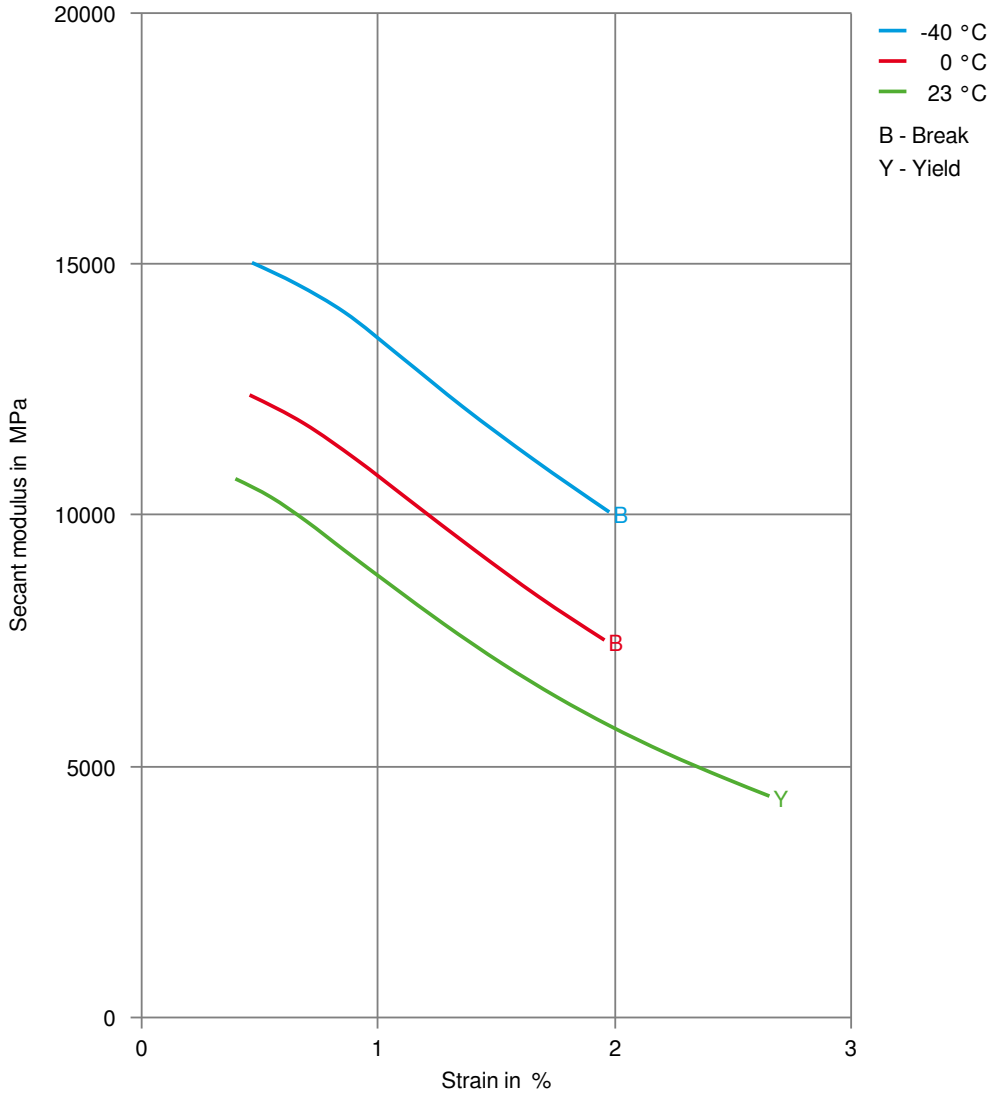
Secant modulus-strain



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