Celanese
The chemistry inside innovation™

TECNOPRENE® VK6HIT1 X2

TECNOPRENE®

Polypropylene, homopolymer. 31% glass fiber reinforced, chemically bonded, high flow, high heat stabilisation.

Product information

Resin Identification	PP-GF31		ISO 1043
Part Marking Code	>PP-GF31<		ISO 11469

Rheological properties

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

Typical mechanical properties

Tensile modulus	6900	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	78	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.8	%	ISO 527-1/-2
Flexural modulus	6500	MPa	ISO 178
Flexural strength	140	MPa	ISO 178
Charpy impact strength, 23°C	40	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	8	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	8	kJ/m²	ISO 180/1A
Poisson's ratio	0.35[C]		

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	145	°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

Physical/Other properties

Density	1140	kg/m³	ISO 1183

Characteristics

Processing	Injection Moulding
Special characteristics	Heat stabilised or stable to heat, High Flow

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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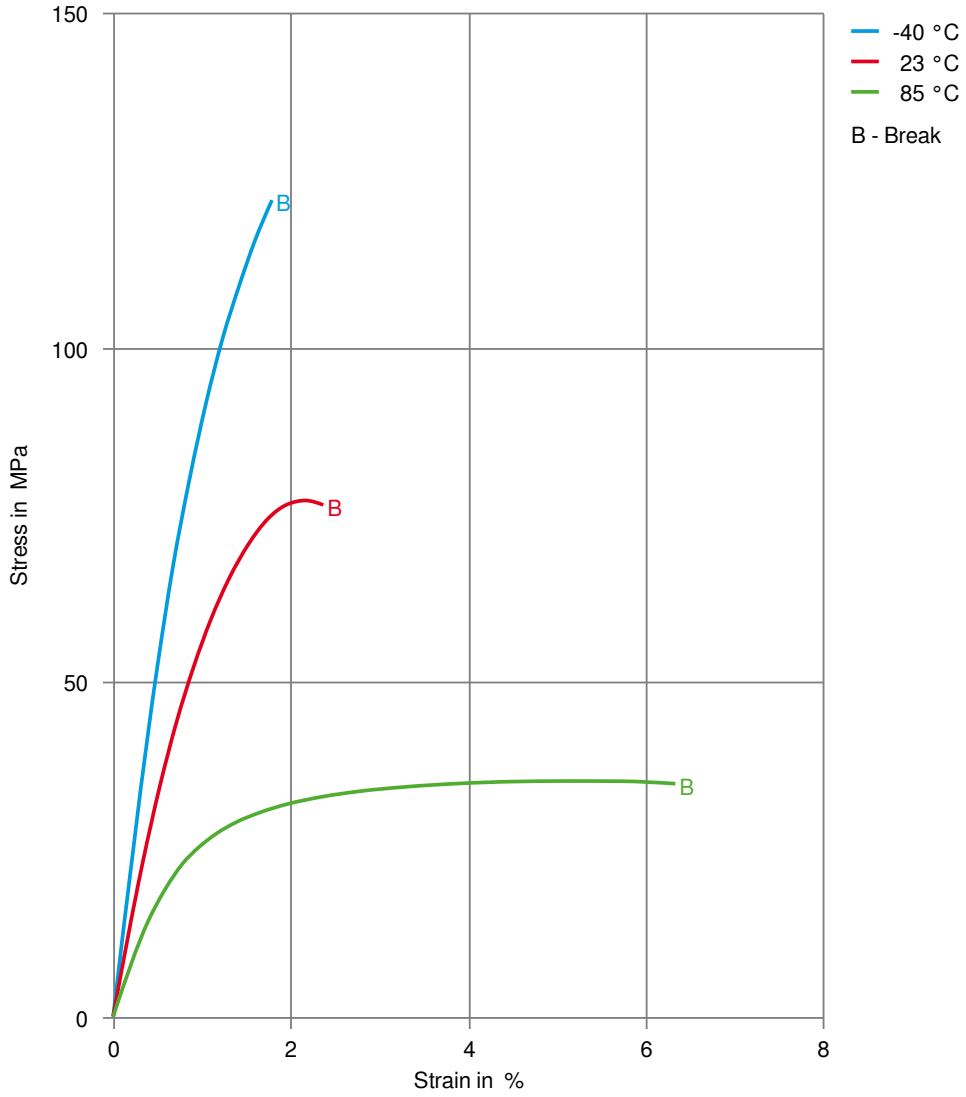
Automotive

OEM	STANDARD
Stellantis	MS.50119 / PP-H.GF30.5500F.8I.HS

Stress-strain



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Secant modulus-strain