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	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	1000000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	11300	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.8	%	ISO 527-1/-2
Flexural modulus	943000	psi	ISO 178
Flexural strength	19600	psi	ISO 178
Charpy impact strength, 23°C	19	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	3.81	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23°C	3.81	ftlb/in²	ISO 180/1A

Thermal properties

Temperature of deflection under load, 1.8 MPa	293	°F	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	0.1260	in	IEC 60695-11-10

Physical/Other properties

Density	0.0412	lb/in³	ISO 1183

Automotive

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

Characteristics

Processing	Injection Molding
Special characteristics	Heat stabilized or stable to heat, High Flow

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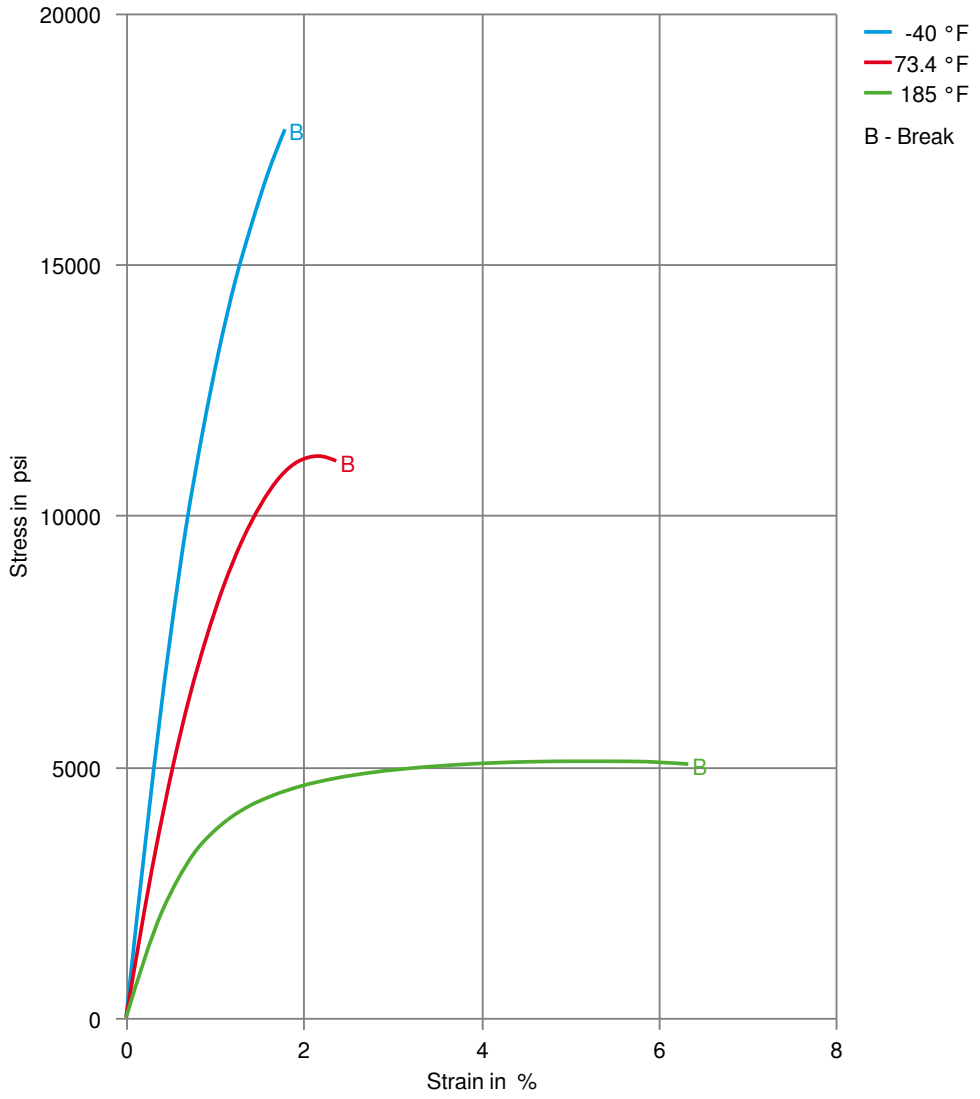
Additional information

Processing Notes

Storage

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

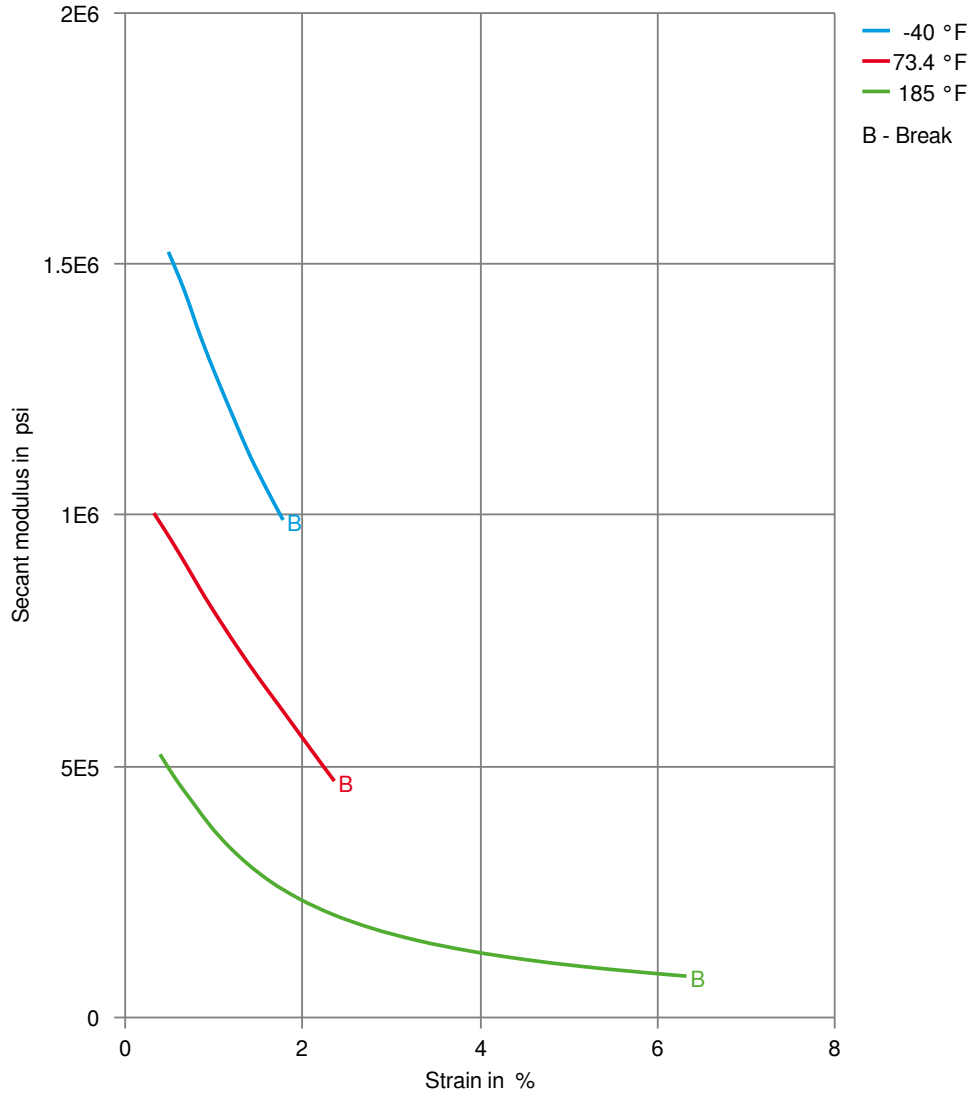
Stress-strain



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Secant modulus-strain



Revised: 2024-01-23 Source: Celanese Materials Database

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