TECNOPRENE® VK6T1 3 ECO-R BLACK

TECNOPRENE®

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, high flow, heat stabilized. Product contains at least 30% recycle resin.

Product information

Resin Identification	PP-GF30	ISO 1043
Part Marking Code	>PP-GF30<	ISO 11469

Rheological properties

Melt mass-flow rate	15	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	11600	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.6	%	ISO 527-1/-2
Flexural modulus	1.02E6	psi	ISO 178
Flexural strength	18900	psi	ISO 178
Charpy impact strength, 23°C	19	ftlb/in²	ISO 179/1eU
Charpy impact strength, -30°C	14.3	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	4.04	ftlb/in²	ISO 179/1eA
Charpy notched impact strength, -30°C	2.85	ftlb/in²	ISO 179/1eA

Thermal properties

Temperature of deflection under load, 1.8 MPa	295	°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	0.0408	lb/in³	ISO 1183

Characteristics

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

Additional information

Processing Notes

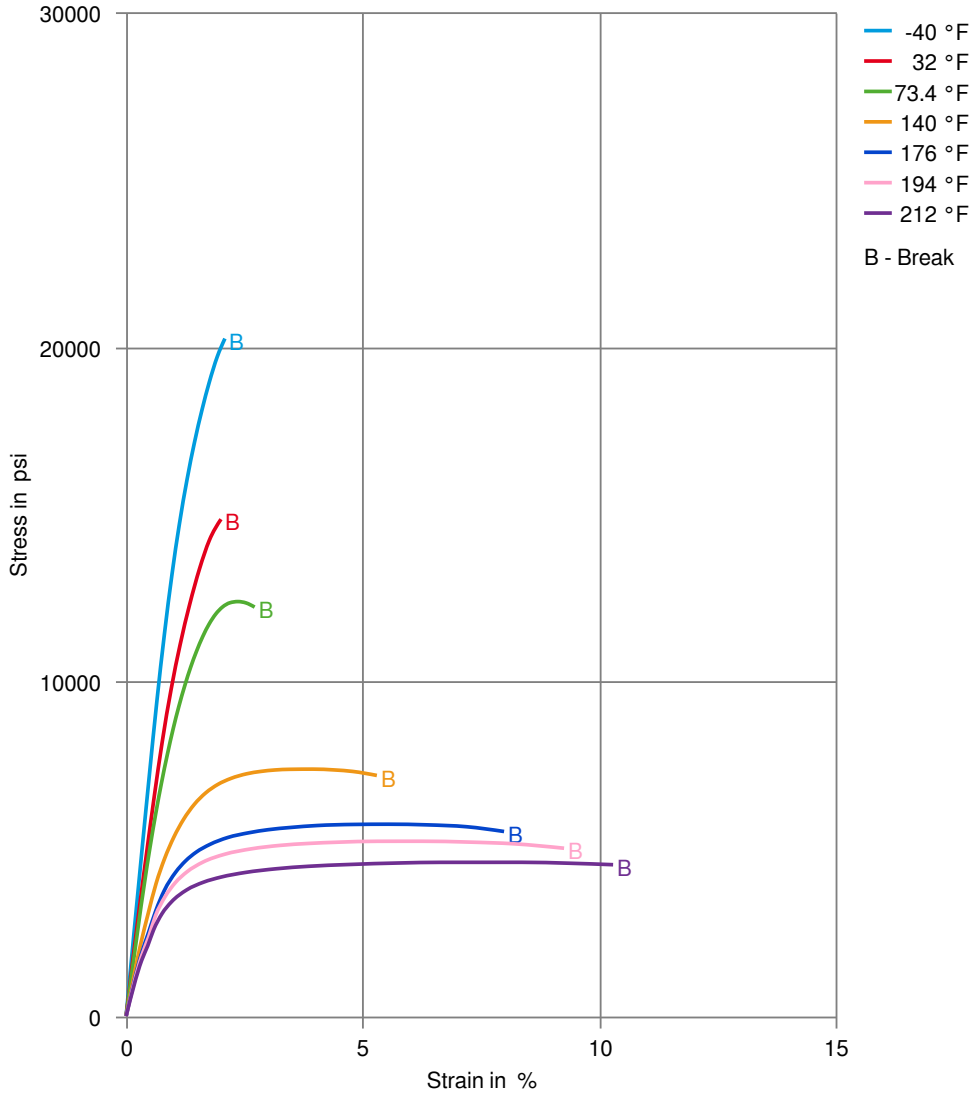
Storage

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

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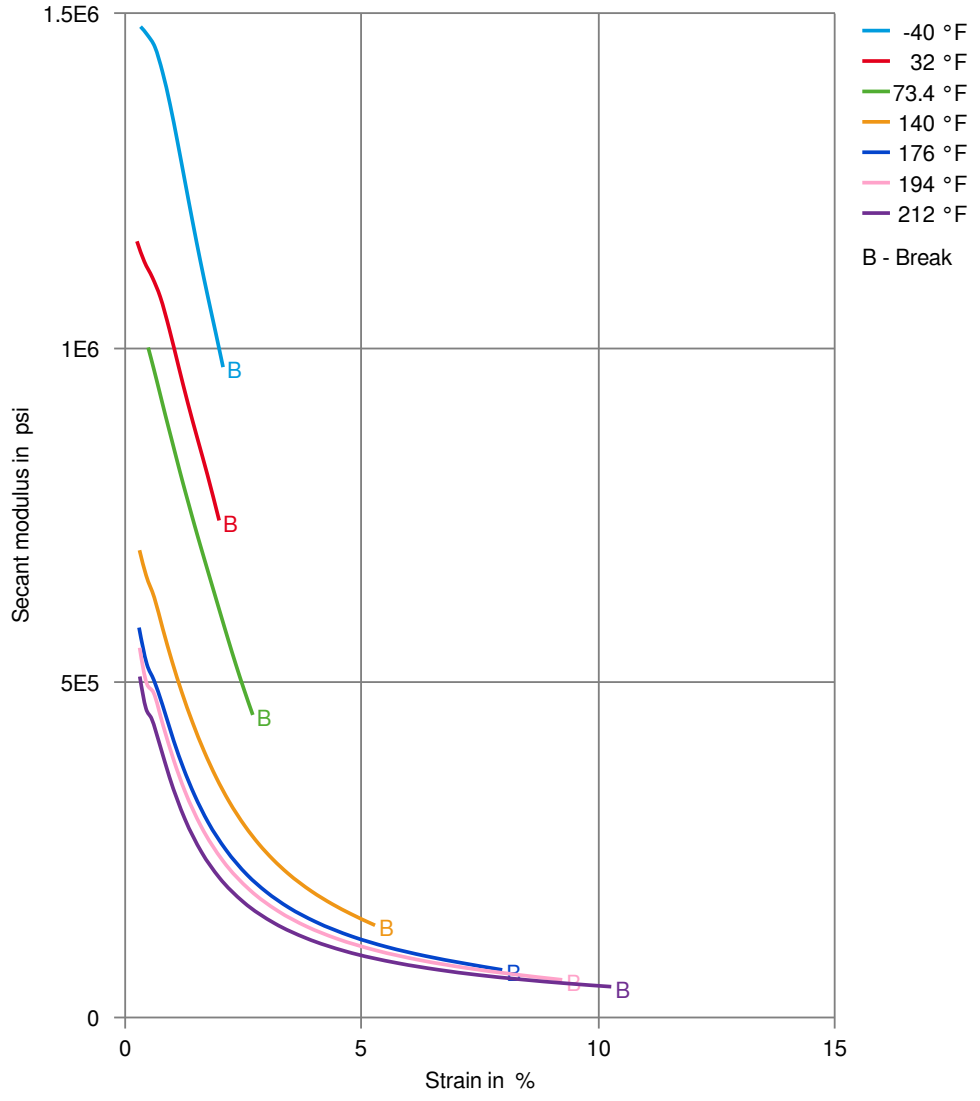
Stress-strain



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Secant modulus-strain



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

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