TECNOPRENE® A60K6

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Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled.

Product information

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

Rheological properties

Melt mass-flow rate	2.8	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage range, parallel	0.2 - 0.5	%	ISO 294-4, 2577
Molding shrinkage range, normal	0.4 - 0.8	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	943000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	12300	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.3	%	ISO 527-1/-2
Flexural modulus	870000	psi	ISO 178
Flexural strength	18900	psi	ISO 178
Charpy impact strength, 23°C	23.8	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	5.23	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23°C	5.23	ftlb/in²	ISO 180/1A

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
Thickness tested	0.0591	in	IEC 60695-11-10
UL recognition	yes		UL 94
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.1260	in	IEC 60695-11-10
FMVSS Class	B		ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	2.28	in/min	ISO 3795 (FMVSS 302)

Electrical properties

Relative permittivity, 2GHz	2.68		IEC 61189-2-721
Relative permittivity, 10GHz	2.68		IEC 61189-2-721
Dissipation factor, 2GHz	21	E-4	IEC 61189-2-721
Dissipation factor, 10GHz	25	E-4	IEC 61189-2-721
Volume resistivity	>1E13	Ohm.m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2
Comparative tracking index M	600		IEC 60112

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Physical/Other properties

Density	0.0408 lb/in³	ISO 1183

Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Bosch	N28 BN09-GF011	Colors
General Motors	GMW16607P-PP-GF30	
Mercedes-Benz	DBL5416	AA00, AA90

Characteristics

Processing	Injection Molding

Additional information

Processing Notes

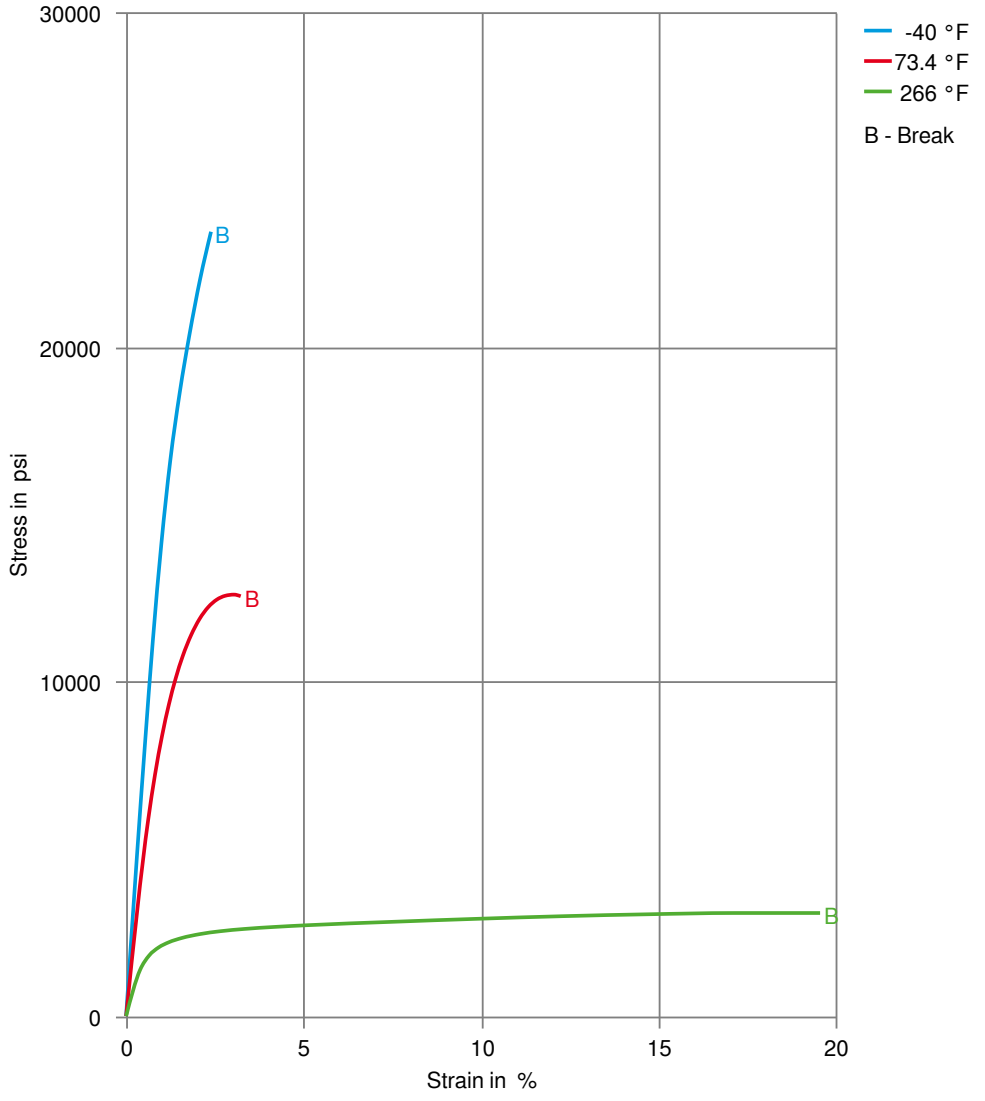
Storage

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

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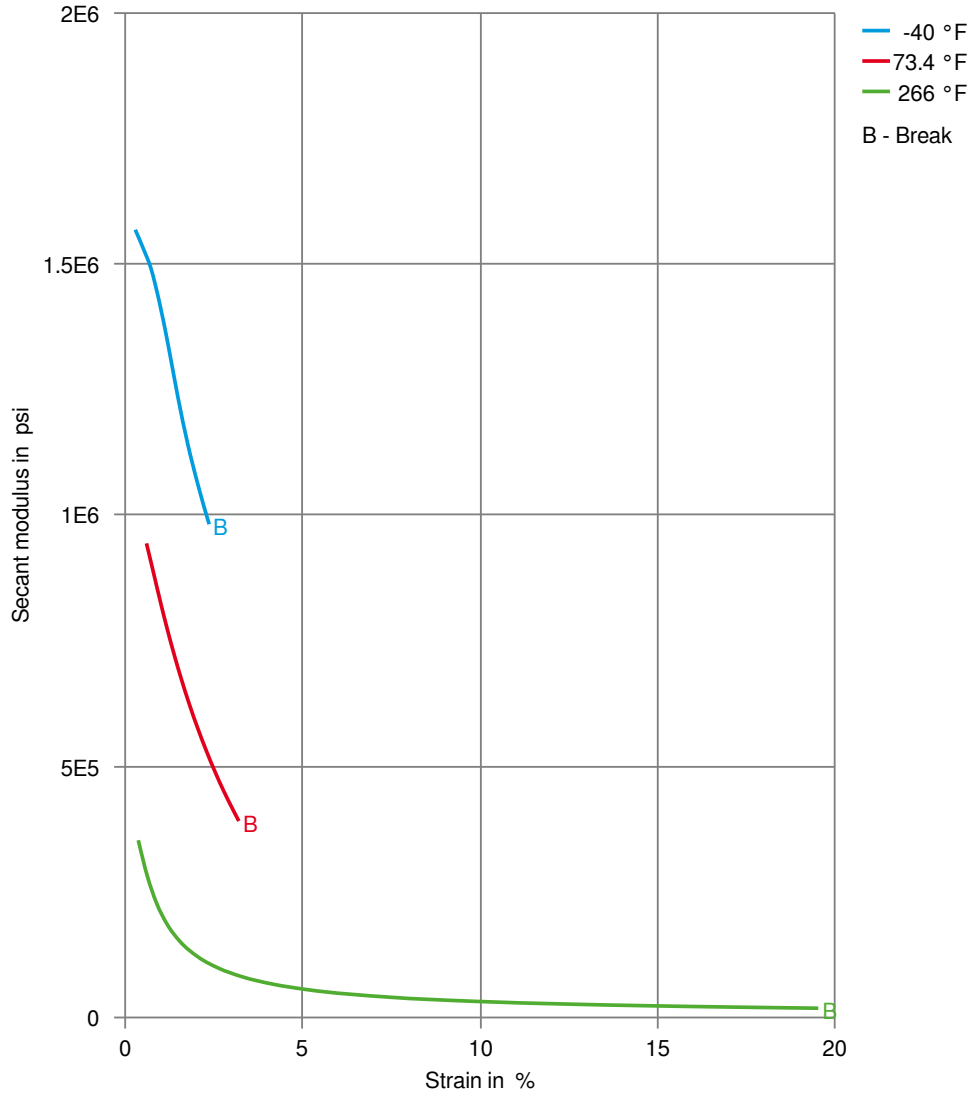
Stress-strain



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Secant modulus-strain



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