TECNOPRENE® A60K4

TECNOPRENE®

Polypropylene, homopolymer, 20% glass fiber reinforced, chemically coupled.

Product information

Resin Identification	PP-GF20		ISO 1043
Part Marking Code	>PP-GF20<		ISO 11469

Rheological properties

Melt mass-flow rate	3.8	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage range, parallel	0.4 - 0.6	%	ISO 294-4, 2577
Molding shrinkage range, normal	0.5 - 0.9	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	667000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	10200	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.5	%	ISO 527-1/-2
Flexural modulus	624000	psi	ISO 178
Flexural strength	16000	psi	ISO 178
Izod notched impact strength, 23°C	4.76	ftlb/in^2	ISO 180/1A

Thermal properties

Temperature of deflection under load, 1.8 MPa	286	°F	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	0.17	E-4/°F	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	0.833	E-4/°F	ISO 11359-1/-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
FMVSS Class	B		ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	2.8	in/min	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	0.0375	lb/in^3	ISO 1183

Injection

Ejection temperature	241	°F	

Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Bosch	N28 BN09-GF004	Natural
Bosch	N28 BN09-GF004	Black

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VW Group	VW 44045

Characteristics

Processing	Injection Molding

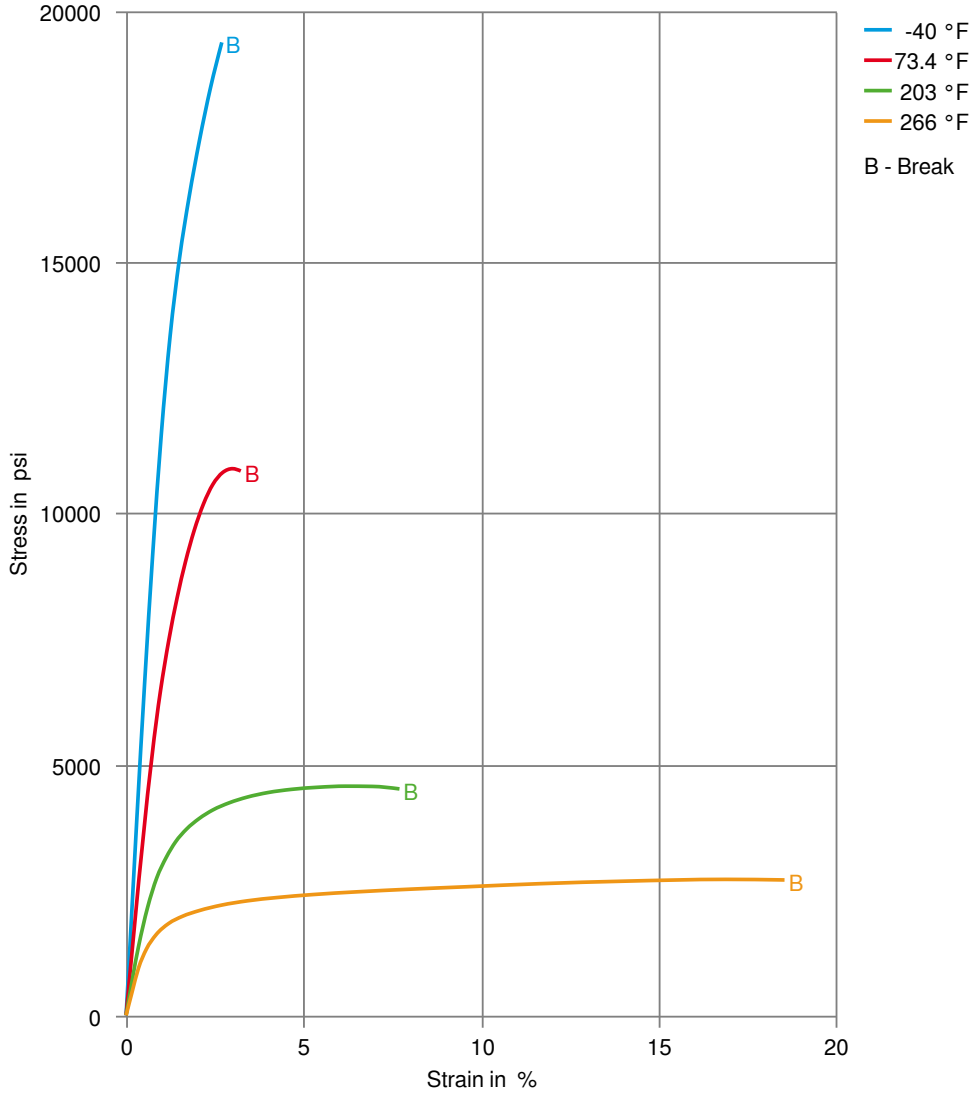
Additional information

Processing Notes

Storage

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

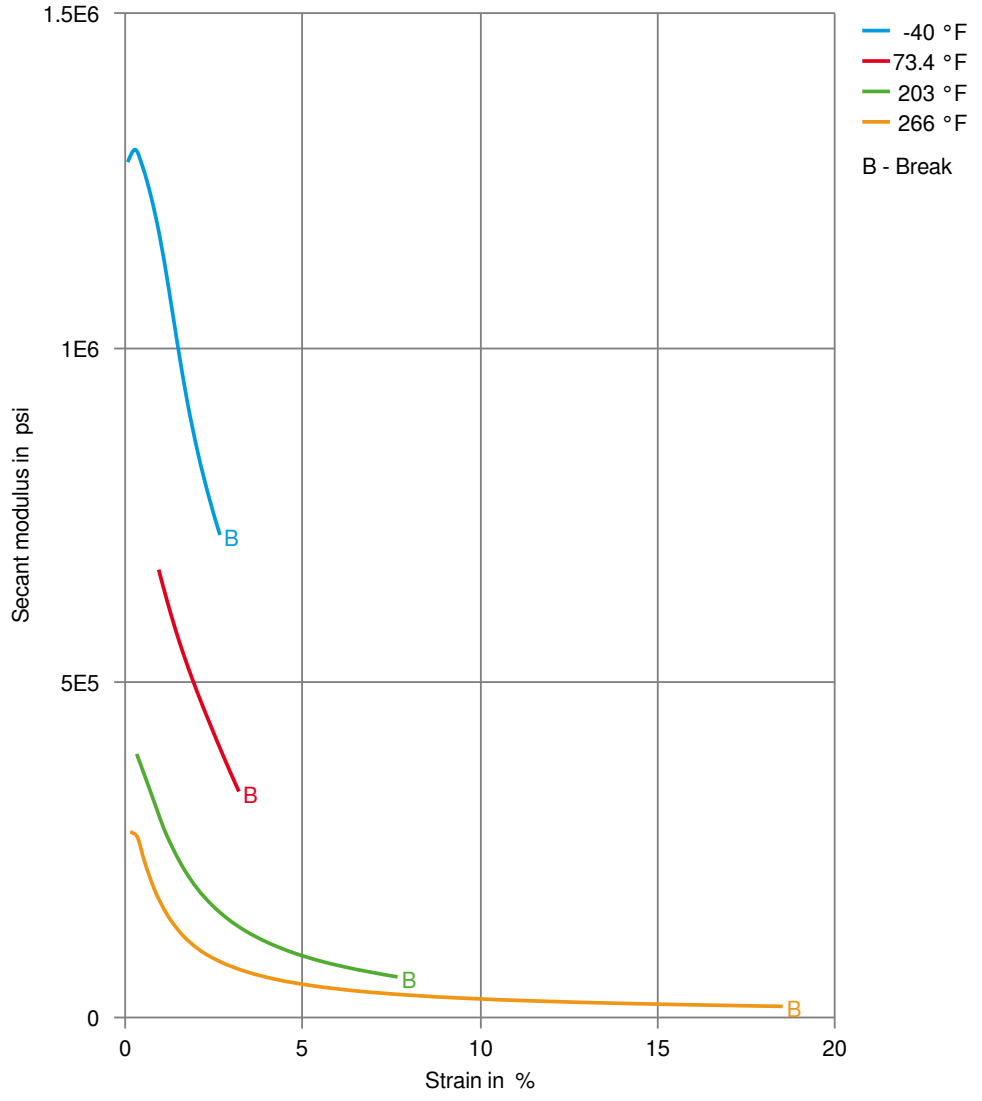
Stress-strain



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Secant modulus-strain



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