TECNOPRENE® HF GF/30 V0

TECNOPRENE®

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, V0, halogen free, laser markable

Product information

Resin Identification	PP-GF30 FR(40)	ISO 1043
Part Marking Code	>PP-GF30 FR(40)<	ISO 11469

Rheological properties

Melt mass-flow rate	3	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	0.6 - 0.9	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	1.26E6	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	11900	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5	%	ISO 527-1/-2
Flexural modulus	1.16E6	psi	ISO 178
Flexural strength	18100	psi	ISO 178
Charpy impact strength, 23°C	16.6	ftlb/in²	ISO 179/1eU
Charpy impact strength, -30°C	13.3	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	3.57	ftlb/in²	ISO 179/1eA
Charpy notched impact strength, -30°C	2.95	ftlb/in²	ISO 179/1eA

Thermal properties

Temperature of deflection under load, 1.8 MPa	289	°F	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	280	°F	ISO 306
Coefficient of linear thermal expansion (CLTE), parallel	0.13	E-4/°F	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	0.667	E-4/°F	ISO 11359-1/-2

Flammability

Burning Behav. at 1.5mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	0.0630	in	IEC 60695-11-10
UL recognition	yes		UL 94
FMVSS Class	SE		ISO 3795 (FMVSS 302)

Electrical properties

Relative permittivity, 2GHz	3.52		IEC 61189-2-721
Dissipation factor, 2GHz	39	E-4	IEC 61189-2-721
Volume resistivity	2.02E13	Ohm.m	IEC 62631-3-1
Surface resistivity	1.58E15	Ohm	IEC 62631-3-2
Electric strength	1010	kV/in	IEC 60243-1
Comparative tracking index	600		IEC 60112

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Physical/Other properties

Density	0.0484 lb/in³	ISO 1183

Injection

Ejection temperature	232 °F

Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Renault	UB22d, No Spec, Special Part Approval, See Your CE Account Manager.	
Stellantis	B62 0300 / 61/214E/214M/C2B/C4	01378_21_00760

Characteristics

Processing	Injection Molding
Additives	Flame retardant
Special characteristics	Flame retardant, Laser Markable

Additional information

Processing Notes

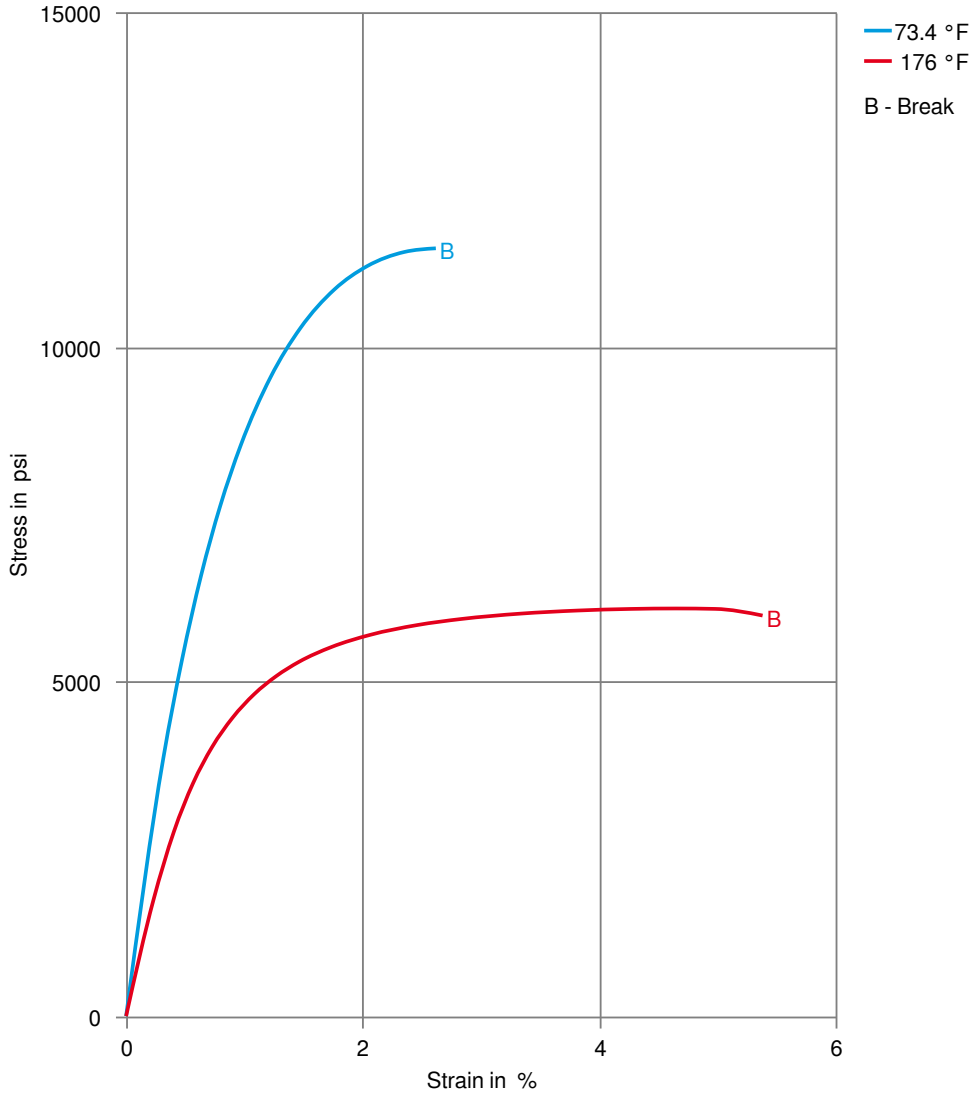
Storage

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

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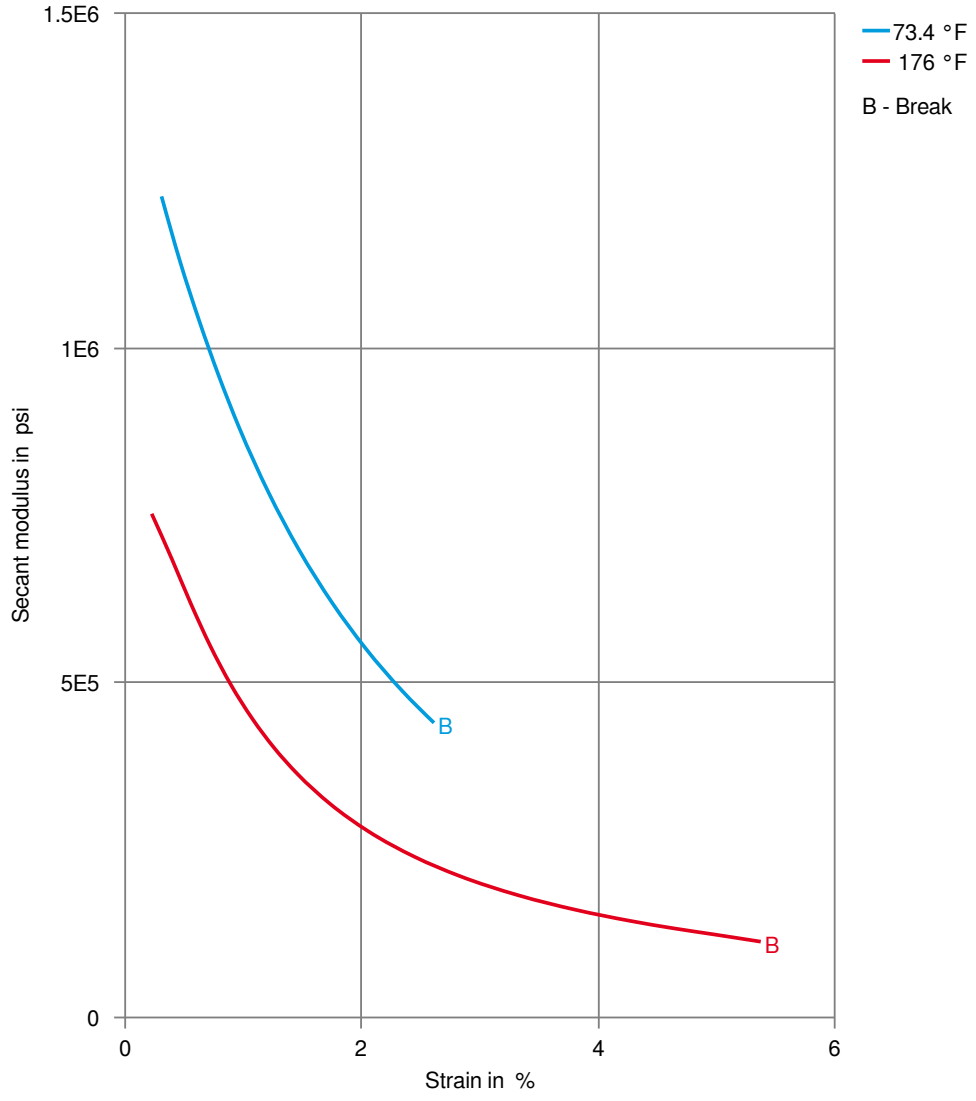
Stress-strain



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Secant modulus-strain



Revised: 2026-08-12 Source: Celanese Materials Database

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