Zytel® DEV HTNFE130008 BK337

HIGH PERFORMANCE POLYAMIDE RESIN

Zytel® HTNFE130008 BK337 is a 30% glass reinforced, flame retardant, high performance polyamide with good thermal shock resistance characteristics. It is also a PPA resin and uses a non-halogenated flame retardant.

Product information

Resin Identification	PA6T/XT-GF30 FR	ISO 1043
Part Marking Code	>PA6T/XT-GF30 FR<	ISO 11469

Typical mechanical properties

Tensile modulus	1.52E6	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	23500	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5	%	ISO 527-1/-2
Flexural modulus	1.55E6	psi	ISO 178
Flexural strength	35500	psi	ISO 178
Charpy notched impact strength, 23°C	4.76	ftlb/in²	ISO 179/1eA

Thermal properties

Temperature of deflection under load, 1.8 MPa	448	°F	ISO 75-1/-2

Flammability

Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.0157	in	IEC 60695-11-10

Electrical properties

Volume resistivity	>1E13	Ohm.m	IEC 62631-3-1
Comparative tracking index	600		IEC 60112
Electric Strength, Short Time, 1mm	889	V/mil	IEC 60243-1

Physical/Other properties

Density	0.052	lb/in³	ISO 1183

Injection

Drying Recommended	yes	
Drying Temperature	212	°F
Drying Time, Dehumidified Dryer	6 - 8	h
Processing Moisture Content	≤0.1	%
Min. melt temperature	590	°F
Max. melt temperature	626	°F
Min. mold temperature	248	°F
Max. mold temperature	284	°F

Characteristics

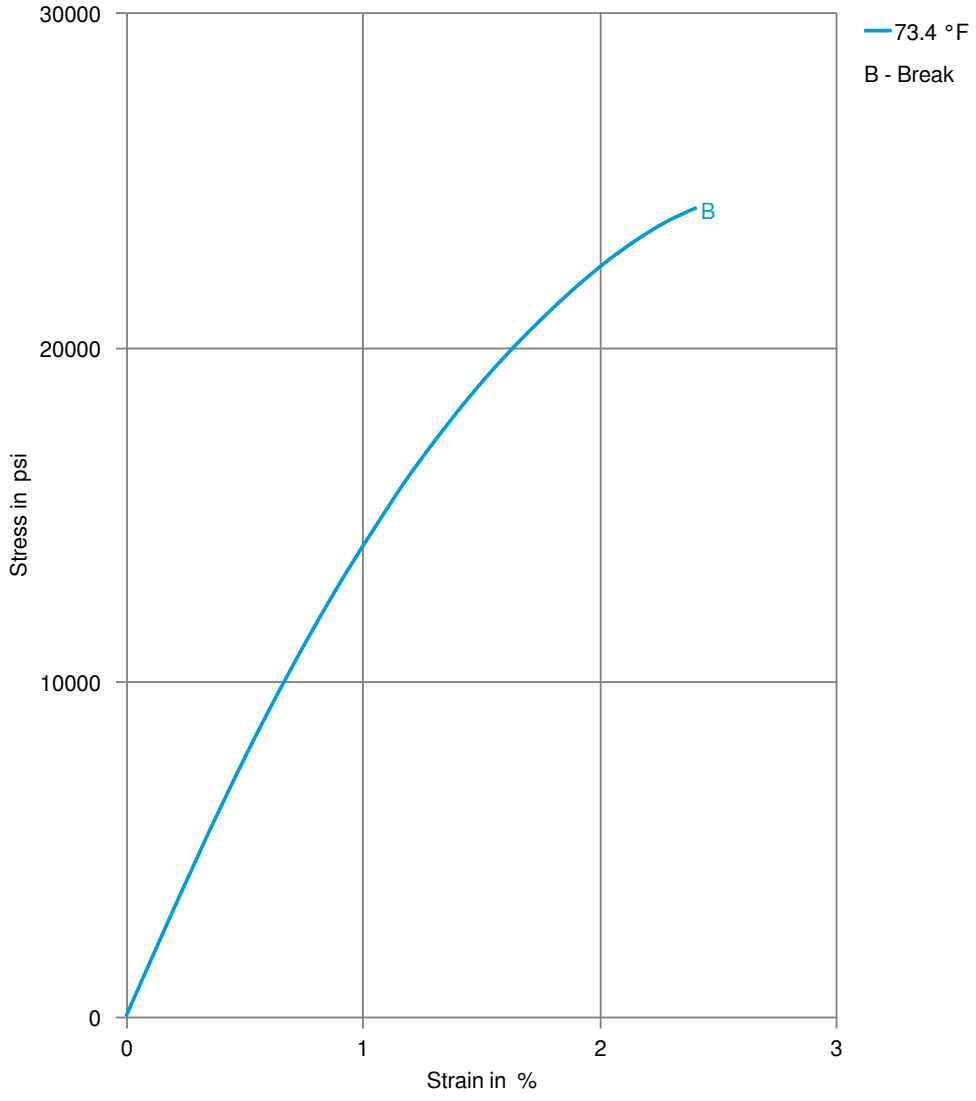
Processing	Injection Molding
Additives	Flame retardant, Non-halogenated/Red phosphorus free flame retardant
Special characteristics	Flame retardant, Thermal shock resistant

Revised: 2026-06-26 Source: Celanese Materials Database

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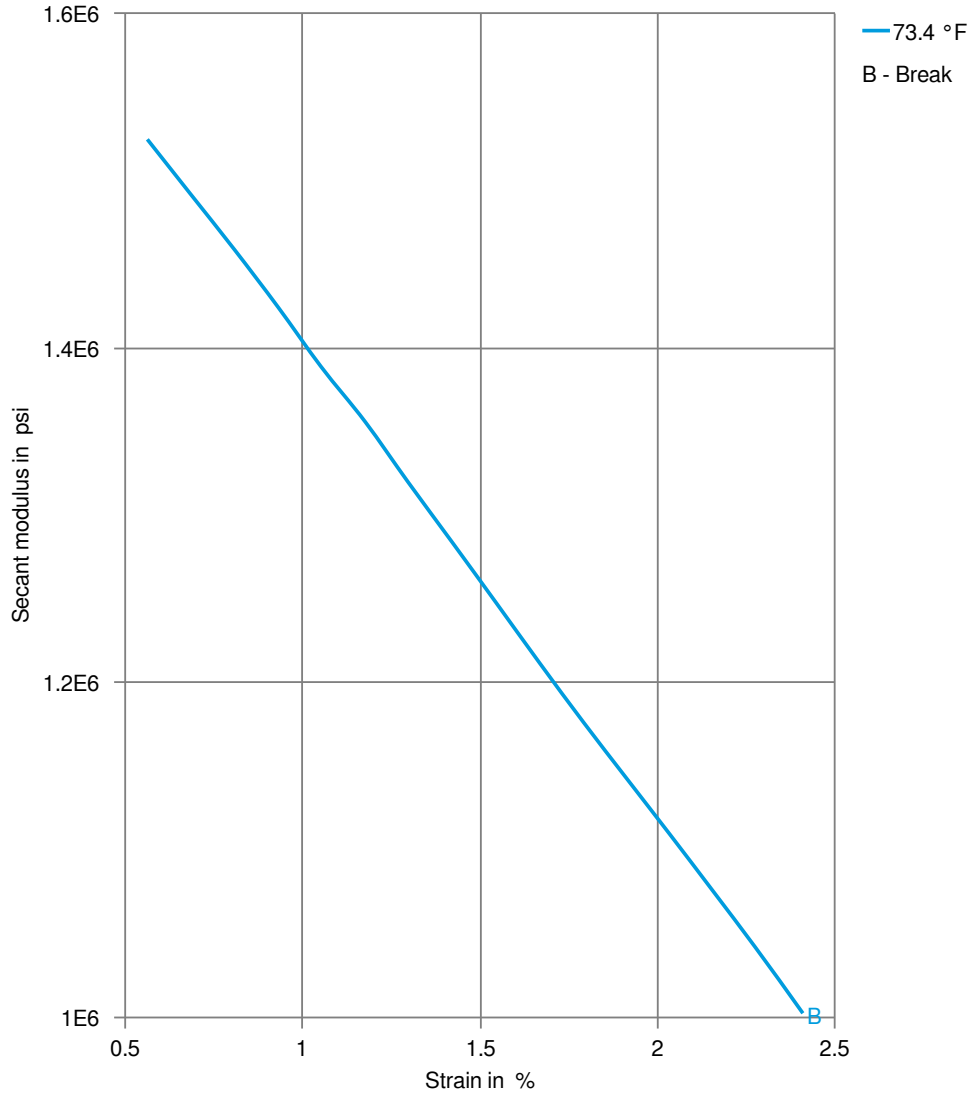
Stress-strain



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Secant modulus-strain



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