FRIANYL® A3 H GF25 V0 GY 7016/E

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Product information

Resin Identification	PA66-GF25 FR(40)	ISO 1043
Part Marking Code	>PA66-GF25 FR(40)<	ISO 11469

Rheological properties

	dry/cond.		
Melt volume-flow rate	40 / *	cm^3/10min	ISO 1133
Temperature	518 / *	°F	
Load	11 / *	lb	

Typical mechanical properties

	dry/cond.		
Tensile modulus	1.38E6 / -	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	17400 / -	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	2 / -	%	ISO 527-1/-2
Charpy impact strength, 23°C	19 / -	$ftlb/in^2$	ISO 179/1eU
Charpy notched impact strength, 23°C	2.38 / -	$ftlb/in^2$	ISO 179/1eA
Izod notched impact strength, 23°C	2.62 / -	$ftlb/in^2$	ISO 180/1A
Izod impact strength, 23°C	14.3 / -	$ftlb/in^2$	ISO 180/1U

Flammability

	dry/cond.		
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.0157 / *	in	IEC 60695-11-10
UL recognition	yes / *		UL 94
Glow Wire Flammability Index, 0.75mm	1760 / -	°F	IEC 60695-2-12
Railway classification	R22 / R24		EN 45545-2
Railway classification rating	HL3 / HL3		EN 45545-2

Injection

Drying Recommended	yes	
Drying Temperature	176	°F
Drying Time, Dehumidified Dryer	2 - 4	h
Processing Moisture Content	≤0.1	%
Melt Temperature Optimum	545	°F
Min. melt temperature	518	°F
Max. melt temperature	572	°F
Max. screw tangential speed	≤0.2	m/s
Mold Temperature Optimum	176	°F
Min. mold temperature	140	°F
Max. mold temperature	212	°F

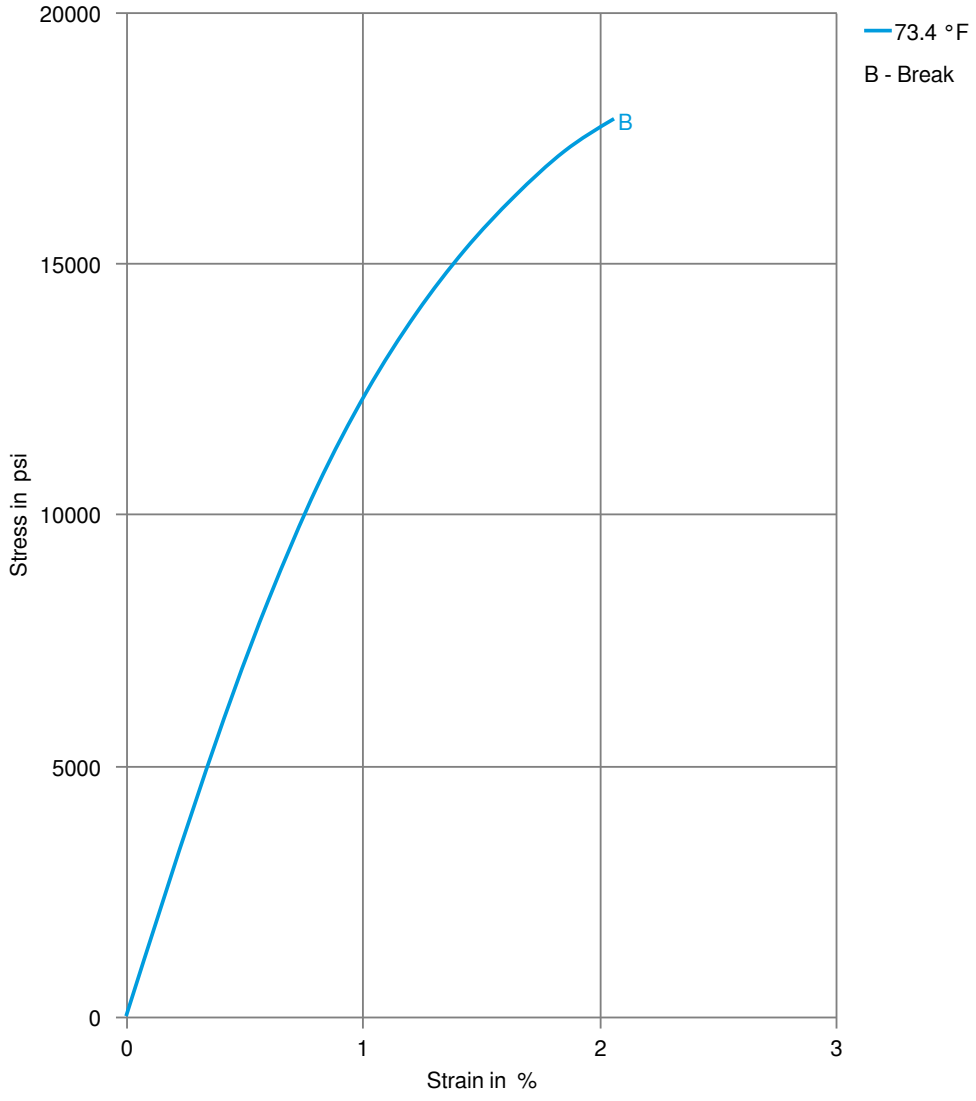
Characteristics

Processing	Injection Molding
Additives	Flame retardant, Non-halogenated/Red phosphorus free flame retardant
Special characteristics	Flame retardant, Heat stabilized or stable to heat

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Stress-strain (dry)

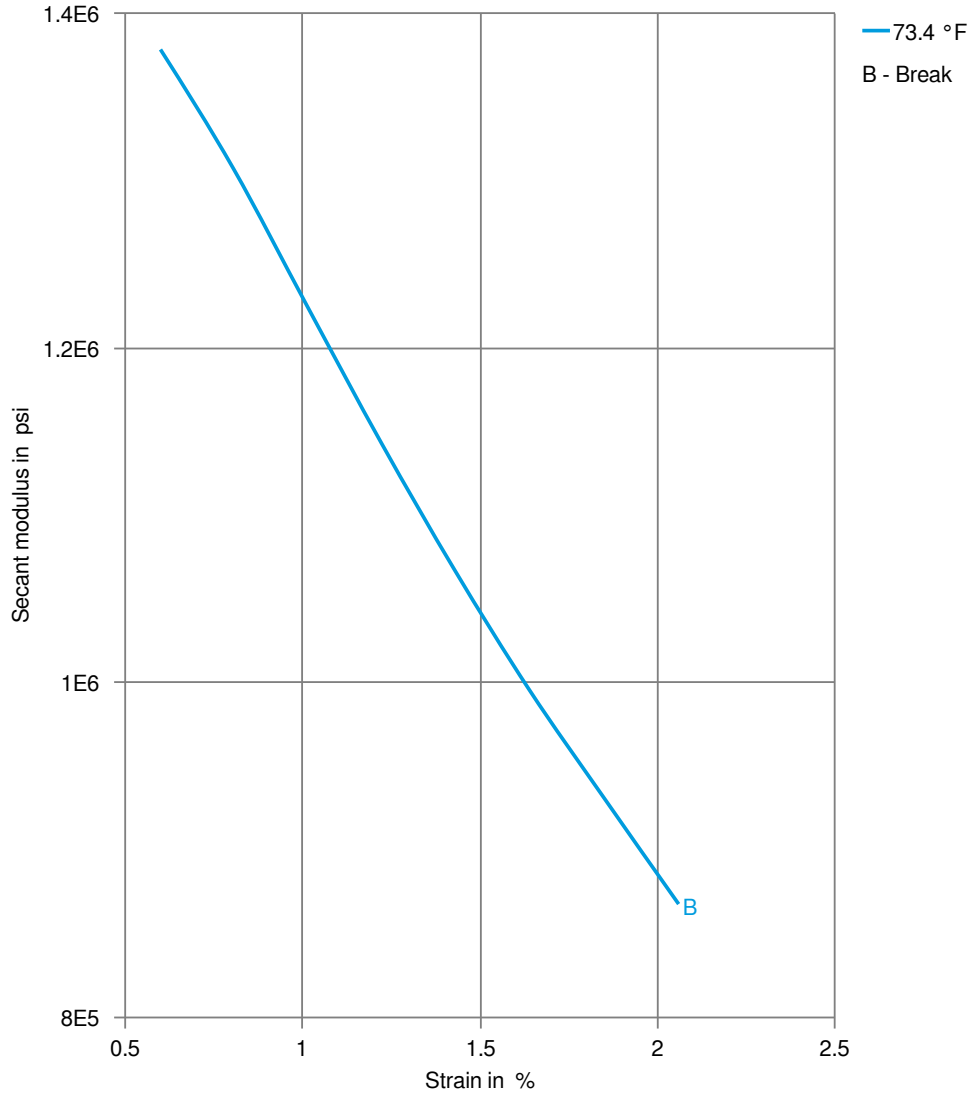


Revised: 2025-06-20 Source: Celanese Materials Database

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Secant modulus-strain (dry)



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