

# FRIANYL® A3 H GF25 V0 GY 7016/E

## FRIANYL®

### 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 <sup>3</sup> /10min	ISO 1133
Temperature	270/*	°C	
Load	5/*	kg	

### Typical mechanical properties

	dry/cond.		
Tensile modulus	9500/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	120/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2/-	%	ISO 527-1/-2
Charpy impact strength, 23°C	40/-	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	5/-	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23°C	5.5/-	kJ/m <sup>2</sup>	ISO 180/1A
Izod impact strength, 23°C	30/-	kJ/m <sup>2</sup>	ISO 180/1U
Poisson's ratio	0.34/- <sup>[C]</sup>		

[C]: Calculated

### Flammability

	dry/cond.		
Burning Behav. at thickness h	V-0/*	class	IEC 60695-11-10
Thickness tested	0.4/*	mm	IEC 60695-11-10
UL recognition	yes/*		UL 94
Glow Wire Flammability Index, 0.75mm	960/-	°C	IEC 60695-2-12

### Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.1 %
Melt Temperature Optimum	285 °C
Min. melt temperature	270 °C
Max. melt temperature	300 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	80 °C
Min. mould temperature	60 °C
Max. mould temperature	100 °C

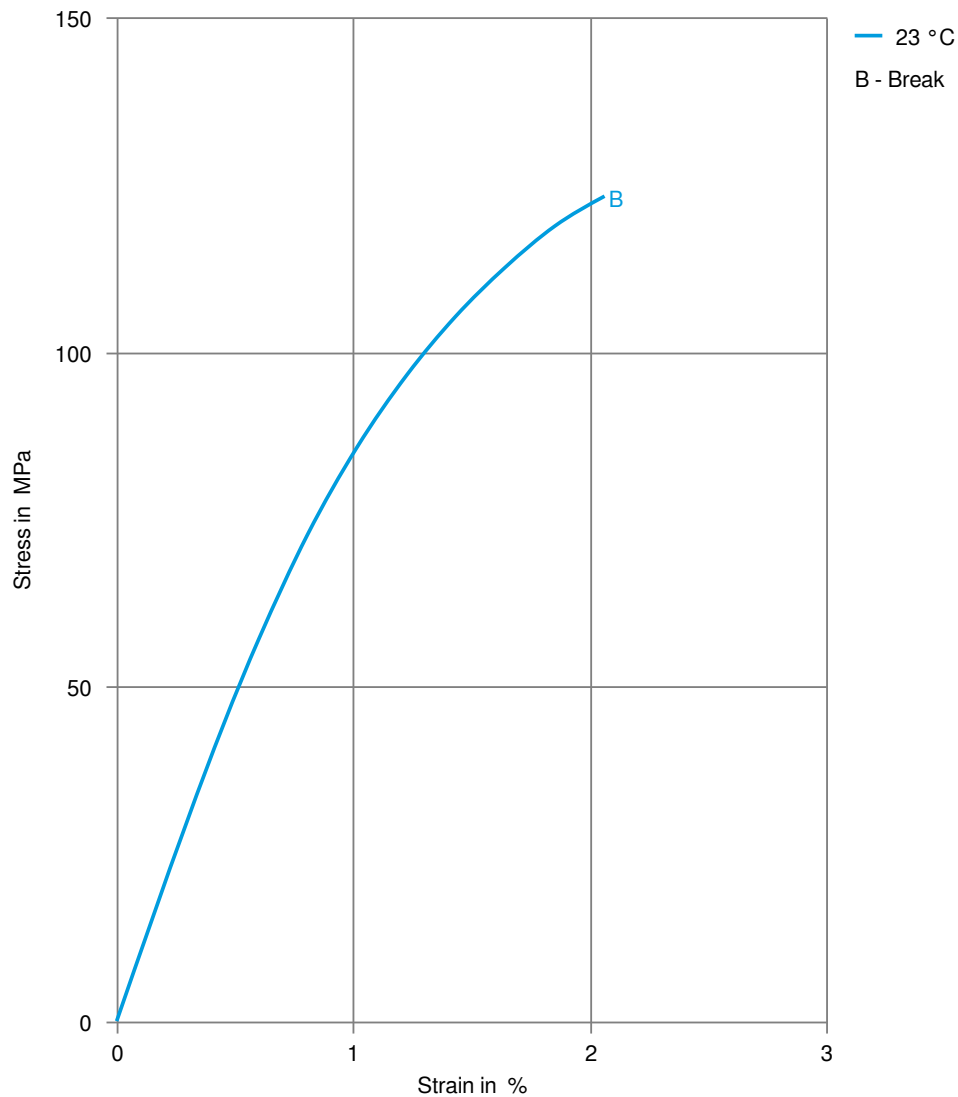
### Characteristics

Processing	Injection Moulding
Additives	Flame retardant, Non-halogenated/Red phosphorous free flame retardant
Special characteristics	Flame retardant, Heat stabilised or stable to heat

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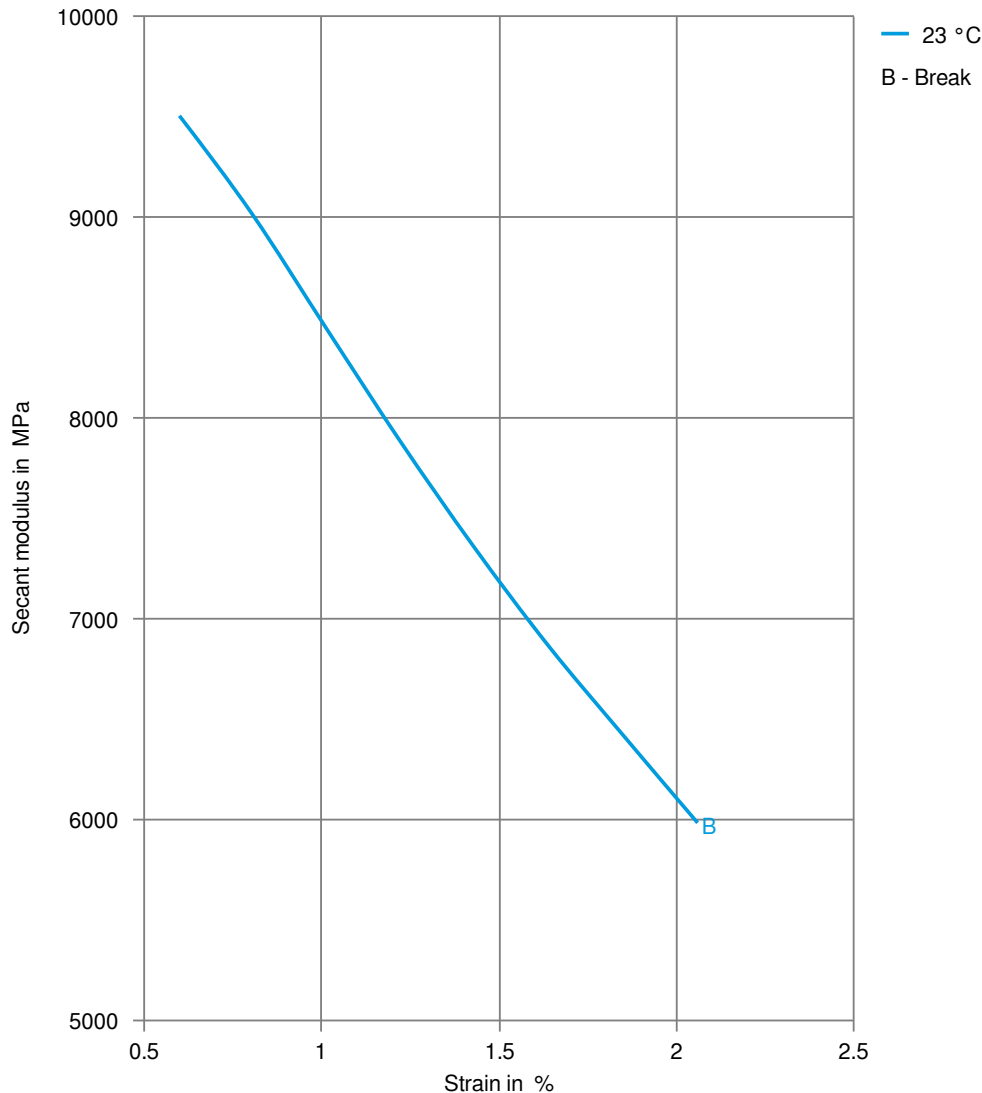
## Stress-strain (dry)



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### Secant modulus-strain (dry)



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