

FRIANYL® A3 GF30 V0 OR 2003/T

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Designed for Electrical applications requiring self-extinguishing properties combined with good mechanical performances, this grade meets the most stringent safety requirements for insulating materials.

Product information

Resin Identification	(PA66+PA6)-GF30	ISO 1043
Part Marking Code	>(PA66+PA6)-GF30<	ISO 11469

Rheological properties

	dry/cond.		
Melt volume-flow rate	50/*	cm ³ /10min	ISO 1133
Temperature	275/*	°C	
Load	5/*	kg	

Typical mechanical properties

	dry/cond.		
Tensile modulus	10000/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	135/-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2/-	%	ISO 527-1/-2
Charpy notched impact strength, 23°C	6.5/-	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34/- ^[C]		
[C]: Calculated			

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	260/*	°C	ISO 11357-1/-3

Flammability

	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	V-0/*	class	IEC 60695-11-10
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

Physical/Other properties

	dry/cond.		
Density	1430/-	kg/m ³	ISO 1183

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

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Characteristics

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

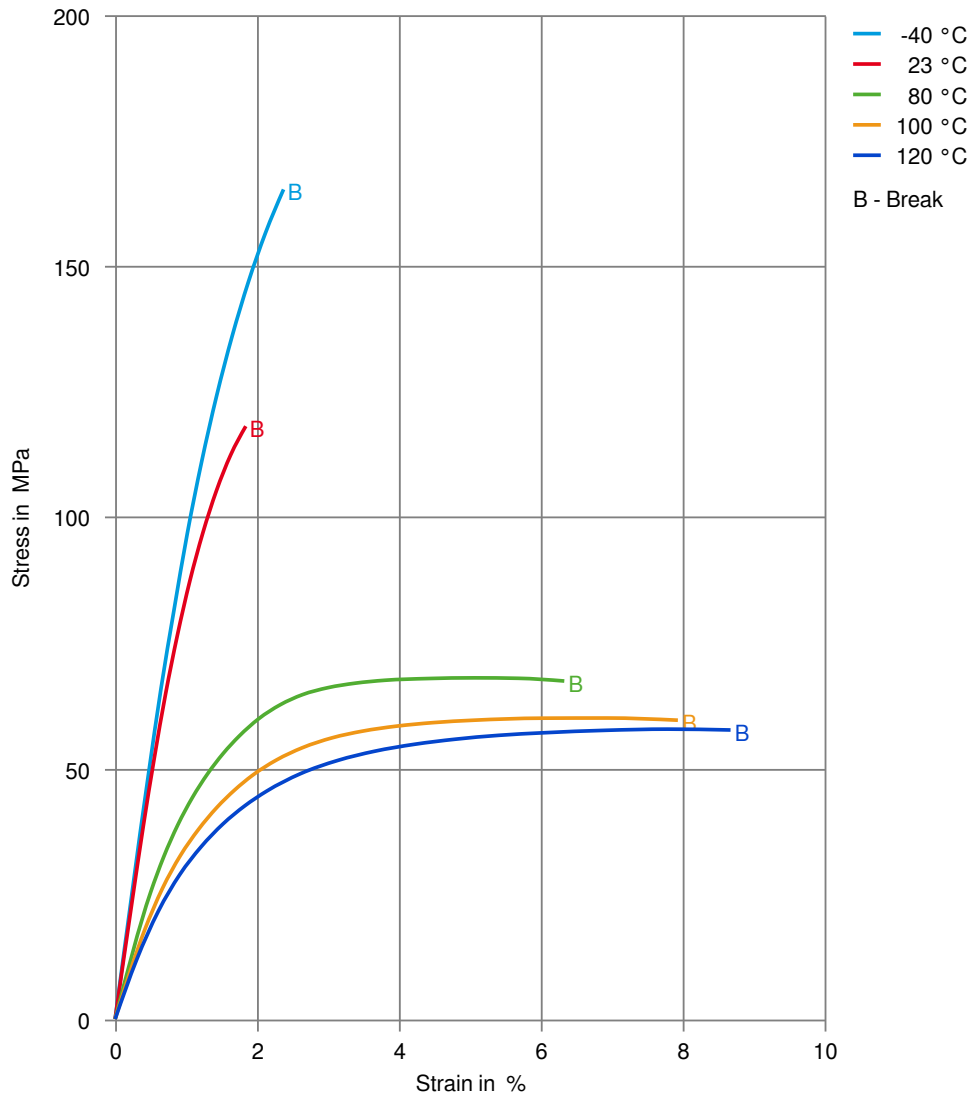
Automotive

OEM	STANDARD	ADDITIONAL INFORMATION
Renault	UB22a, BB/YG, No Spec, Special Part Approval, See Your CE Account Manager.	
Renault	UB22b, No Spec, Special Part Approval, See Your CE Account Manager.	
Renault	UB22c, No Spec, Special Part Approval, See Your CE Account Manager.	
Renault	UB22d, No Spec, Special Part Approval, See Your CE Account Manager.	
VW Group	VW 50133	*Best Fitting Grade To PA66-6-A, Not Officially Approved

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Stress-strain (dry)



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Secant modulus-strain (dry)

