



ISO 1183

## FRIANYL® A3 GF30 V0 OR 2003/T

### **FRIANYL®**

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

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1 Toduct information			
Resin Identification	(PA66+PA6)-G	ISO 1043	
Part Marking Code	>(PA66+PA6)-0		ISO 11469
Rheological properties	dry/cond.		
Melt volume-flow rate	50/*	cm <sup>3</sup> /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/m²	ISO 179/1eA
Poisson's ratio	0.34/- <sup>[C]</sup>		
[C]: Calculated			
Thermal properties	dry/cond.		
Melting temperature, 10 ° C/min	260/*	°C	ISO 11357-1/-3
Flammability	day/oond		
•	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.		

1430/-

kg/m<sup>3</sup>

## Injection

Density

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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

Printed: 2025-05-29 Page: 1 of 4

Revised: 2025-02-14 Source: Celanese Materials Database





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#### **FRIANYL®**

#### 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

Printed: 2025-05-29 Page: 2 of 4

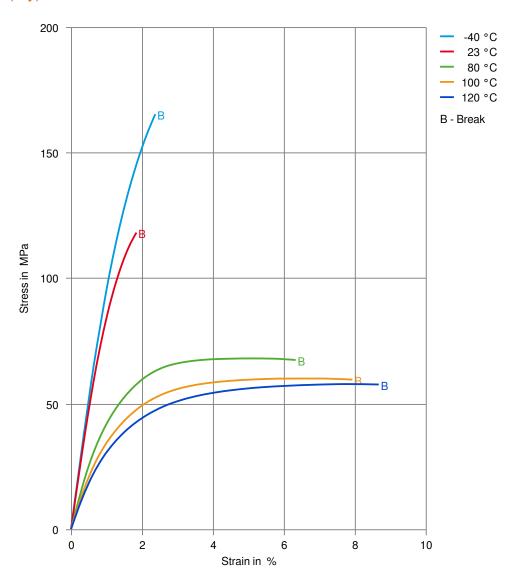
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# FRIANYL® A3 GF30 V0 OR 2003/T

### Stress-strain (dry)



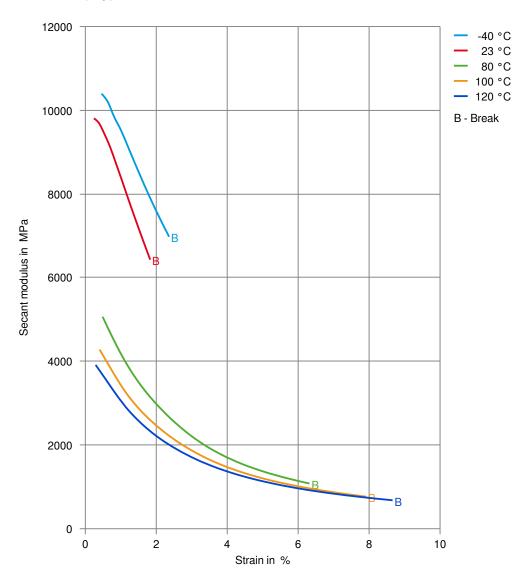
Printed: 2025-05-29 Page: 3 of 4





# FRIANYL® A3 GF30 V0 OR 2003/T

#### Secant modulus-strain (dry)



Printed: 2025-05-29 Page: 4 of 4

Revised: 2025-02-14 Source: Celanese Materials Database

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