



FRIANYL® A3 RV0 GN 6017/W

FRIANYL®

Designed for Electrical applications requiring self-extinguishing properties combined with easy processability and good surface quality, this grade meets the most stringent safety requirements for insulating materials.

Product	tint	orm	ation
Dania Id			

1 Todact information			
Resin Identification Part Marking Code	(PA66+PA6) FR(30) >(PA66+PA6) FR(30)<		ISO 1043 ISO 11469
Rheological properties	dry/cond.		
Melt volume-flow rate Temperature	210/* 275/*	cm ³ /10min °C	ISO 1133
Load Viscosity number	5/* 140/*	kg cm³/g	ISO 307, 1628
Typical mechanical properties	dry/cond.		
Tensile modulus	3500/-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	80/-	MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	10/-	%	ISO 527-1/-2
Charpy impact strength, 23°C	115/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	4/-	kJ/m²	ISO 179/1eA
Poisson's ratio	0.37/- ^[C]		
[C]: Calculated			
Thermal properties	dry/cond.		
Melting temperature, 10°C/min	260/*	°C	ISO 11357-1/-3
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, 3.0mm	960/-	°C	IEC 60695-2-12
Glow Wire Ignition Temperature, 0.75mm	775/-	°C	IEC 60695-2-13
Electrical properties			
Comparative tracking index, 100 drops	600		IEC 60112
Physical/Other properties	dry/cond.		
Density	1160/-	kg/m³	ISO 1183
Injection			
Drying Recommended	V00		
Drying Temperature	yes 80 °C		
Drying Time, Dehumidified Dryer	2 - 4 h		
Processing Moisture Content	≥-4 ≤0.1		
Melt Temperature Optimum		°C	
Min. melt temperature		°C	
	7.7.2		

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285 °C

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Max. melt temperature





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Screw tangential speed \leq 0.2 m/s Mold Temperature Optimum 70 °C Min. mould temperature 60 °C Max. mould temperature 90 °C

Characteristics

Processing Injection Moulding

Additives Flame retardant, Non-halogenated/Red phosphorous free flame retardant

Special characteristics Flame retardant

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

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