

FRIANYL[®] A3 RV0 OR 2010

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 information

Rheological properties dry/cond. Viscosity number 135/* cm³/g ISO 307, 1628 Moulding shrinkage range, parallel 1.2 - 1.6 % ISO 294.4, 2577 Moulding shrinkage range, normal 1.2 - 1.6 % ISO 294.4, 2577 Typical mechanical properties dry/cond. ISO 527-1/-2 ISO 527-1/-2 Tensile nodulus 3400/- MPa ISO 527-1/-2 Tensile stress at yield, 50mm/min 80/- MPa ISO 527-1/-2 Tensile strain at break, 50mm/min 8.5/- % ISO 527-1/-2 Charpy impact strength, 23°C 60/- kJ/m² ISO 179/1e0 Charpy notched impact strength, 23°C 3.5/- kJ/m² ISO 179/1e0 Chary notched impact strength, 23°C 3.5/- kJ/m² ISO 179/1e0 Chary notched impact strength, 23°C 3.5/- KJ/m² ISO 179/1e0 Chary notched impact strength, 23°C 0.37/-FCI MPa ISO 2039-1 IC1; Calculated 0.37/-FCI MPa ISO 11357-1/-3 Temperature, 10°C/min 265/*<°C ISO 11357-1/-2 <th>Resin Identification Part Marking Code Continuous Service Temperature</th> <th>PA66 FR(30 >PA66 FR(30)< 13</th> <th>,</th> <th>ISO 1043 ISO 11469 IEC 60216-1</th>	Resin Identification Part Marking Code Continuous Service Temperature	PA66 FR(30 >PA66 FR(30)< 13	,	ISO 1043 ISO 11469 IEC 60216-1
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Humidity absorption, 2mm2/*%Sim. to ISO 62Water absorption, 2mm7.3/*%Sim. to ISO 62	Comparative tracking index	600/-		IEC 60112
Water absorption, 2mm7.3/*%Sim. to ISO 62	Physical/Other properties	dry/cond.		
Water absorption, 2mm7.3/*%Sim. to ISO 62	Humidity absorption, 2mm	2/*	%	Sim. to ISO 62
	-	1160/-	kg/m³	ISO 1183

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FRIANYL[®] A3 RV0 OR 2010

Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2-4 h
Processing Moisture Content	≤0.1 %
Melt Temperature Optimum	275 °C
Min. melt temperature	265 °C
Max. melt temperature	285 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	70 °C
Min. mould temperature	60 °C
Max. mould temperature	90 °C

Characteristics

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

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