TECHNYL® A 238 V13

Product Datasheet - March 2007

Description

Polyamide 66, reinforced with 13% of glass fibre, heat stabilized, with improved impact resistance, for injection moulding.

Product Applications

In addition to primary polyamide properties, TECHNYL ® A 238 V13 offers a very good rigidity/impact resistance compromise, at high temperatures.

This grade is used for under bonnet automotive parts, such as: various covers and fasteners.

This product is available in natural.

Processing

The material is supplied in airtight bags, ready for use. In the case that the virgin material has absorbed moisture, it must be dried to a final moisture content of less than 0,2% with a dehumidified air drying equipment at approx 80°C.

Recommended moulding conditions:

Barrel temperatures:
- feed zone 260 - 270°C
- compression zone 270 - 280°C
- front zone 280 - 290°C

Mould temperatures :80 at 100°C

For more detailed information, please refer to the technical sheet "Injection moulding".

Safety

Please refer to the Safety Data Sheet MDLAPREF8FS

Engineering Plastics

Postal Adress Rhodia Polyamide Engineering Plastics : Avenue Ramboz BP 64 69192 Saint-Fons Cedex France Phone : +33.4.72.89.27.00 Fax : +33.4.72.89.27.01.
Company Name : Rhodia Operations Registered Office : 40, rue de la Haie-Coq 93306 Aubervilliers Cedex France - Phone : + 33 1 53 56 50 00 Fax : +33 1 53 56 55 55.
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TECHNYL® A 238 V13

The values of properties are for natural grade.

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
Physical				
Molding shrinkage Parallel (1) (RHODIA-EP)	RHODIA-EP	%	0.85	-
Molding shrinkage normal or perpendicular (1) (Rhodia EP)	RHODIA-EP	%	1	-
Molding Shrinkage Isotropy	RHODIA-EP		0.85	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	5500	3650
Tensile strength at yield	ISO 527 type 1 A	MPa	100	60
Tensile strain at yield	ISO 527 type 1 A	%	4	8
Charpy notched impact strength	ISO 179/1eA	kJ/m2	6	8
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	65	60
Izod notched impact strength	ISO 180/1A	kJ/m2	8	10
Flamability				
Flammability UL 94 (Thickness 1,6 mm)	ISO 1210/UL 94		HB	-
Thermal				
Melting Temperature	ISO 11357	°C	263	-
Heat deflection temperature, 1,8 Mpa	ISO 75/Af	°C	228	-
Coef. of Linear thermal expension normal or perpendicular (23°C to 85°C)	ISO 11359	E-5 / °C	5	-

Identification Code :

The information contained in this document is supplied in good faith. It is based on the extent of our knowledge of the products as listed, and on the tests and experiments carried out in our laboratories. It is to be used only as an indication and shall not be construed in any way as a format commitment or warranty of our part. Compliance of our products with your conditions or use can only be determined pursuant to your own prior appropriate list. The listed values of properties are for natural grade, if not otherwise specified.

d.a.m*.

Cond.**

Rhodia

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