TECHNYL® A 238

Product Datasheet - November 2004

Description

Unreinforced and modified polyamide 66, with improved impact resistance, heat stabilized , for injection moulding.

Product Applications

TECHNYL® A 238 offers excellent combination between rigidity and impact resistance at ambiant temperature.

This property save special conditioning before use parts (water absorption).

This grade is commonly used for under bonnet automobile parts, such as : fasteners, cable ties.

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	240 - 250°C
	-compression zone	250 - 260°C
	-front zone	260 - 270°C
Mould temperatures:		60 at 80°C

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

Safety

Please refer to the Safety Data Sheet

Avenue Ramboz BP 64 F-69192 Saint-Fons Cedex. Telephone: +33 (0)4 72 89 27 00 Fax: +33(0)4 72 89 27 01

TECHNYL® A 238

The values of properties are for natural grade.

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
Physical				
Water absorption (24 h at 23°C)	ISO 62	%	1.10	-
Density	ISO 1183-A	g/cm3	1.10	-
Molding shrinkage Parallel (1) (RHODIA-EP)	RHODIA-EP	%	1.90	-
Molding shrinkage normal or perpendicular (1) (Rhodia EP)	RHODIA-EP	%	1.90	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	2700	-
Tensile strength at yield	ISO 527 type 1 A	MPa	76	-
Tensile strain at yield	ISO 527 type 1 A	%	5	-
Tensile strength at break	ISO 527 type 1 A	MPa	55	-
Flexural modulus	ISO 178	MPa	2600	-
Flexural maximum stress	ISO 178	MPa	109	-
Charpy notched impact strength	ISO 179/1eA	kJ/m2	8	-
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	NB	-
Izod notched impact strength	ISO 180/1A	kJ/m2	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	70	-
Coef. of Linear thermal expension normal or perpendicular (23°C to 85°C)	ISO 11359	E-5 / °C	7	-

Identification Code : >PA66<

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 = Dry As Moulded.

** Cond. = Conditioned according ISO 1110.

Rhodia

CHALLENGING BOUNDARIES

Engineering Plastics

Avenue Ramboz BP 64 F-69192 Saint-Fons Cedex. Telephone: +33 (0)4 72 89 27 00 Fax: +33(0)4 72 89 27 01
RHODIA ENGINEERING PLASTICS. Société Anonyme au capital de 271 256 400 F - 393 335 104 RCS Lyon