

TECHNYL® A 218W V15

Product Datasheet - October 2004

Description

Polyamide 66, reinforced with 15% of glass fibre, for injection moulding, heat stabilized, with improved hydrolysis resistance.

Product Applications

TECHNYL® a 218W V15 is used in all sectors of industry, offering an excellent combination of thermal and mechanical properties.

This grade is recommended for the production of mechanical components in permanent or intermittent contact with hot water : e.g. electro-magnetic valves.

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: 60 at 80°C

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

Safety

Please refer to the Safety Data Sheet



TECHNYL® A 218W V15

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	1.24	-
Molding shrinkage Parallel (1) (RHODIA-EP)	RHODIA-EP	%	0.80	-
Molding shrinkage normal or perpendicular (1) (Rhodia EP)	RHODIA-EP	%	1.10	-
Molding Shrinkage Isotropy	RHODIA-EP		0.73	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	6070	-
Tensile strain at break	ISO 527 type 1 A	%	4	-
Tensile strength at break	ISO 527 type 1 A	MPa	130	-
Flexural modulus	ISO 178	MPa	5270	-
Izod notched impact strength	ISO 180/1A	kJ/m2	5.5	-
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	245	-

Identification Code : PA66-GF15

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.



Engineering Plastics

