

TECHNYL® A 216T V33 BLACK 1 N

Product Datasheet - June 2006

Description

Polyamide PA66 reinforced with 33% of glass fibre, heat stabilised, for injection moulding.

Product Applications

TECHNYL® A 216T V33 BLACK 1N is used in all sectors of industry, offering an excellent combination between thermal and mechanical properties.

This grade is suitable for automotive industry.

This material is available in black.

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 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°
-front zone	280-290°C

-Mould temperatures: 60-80°C

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

Safety

Please refer to the Safety Data Sheet BNT65N6T8FS



TECHNYL® A 216T V33 BLACK 1 N

The values of properties are for black grade.

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
Physical				
Density	ISO 1183-A	g/cm3	1.40	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	11000	8300
Tensile strain at break	ISO 527 type 1 A	%	3	4
Tensile strength at break	ISO 527 type 1 A	MPa	200	145
Flexural modulus	ISO 178	MPa	9200	6400
Charpy notched impact strength	ISO 179/1eA	kJ/m2	13	17
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	90	98
Izod notched impact strength	ISO 180/1A	kJ/m2	12	17
Thermal				
Melting Temperature	ISO 11357	°C	263	-
Heat deflection temperature, 1,8 Mpa	ISO 75/Af	°C	255	-
Coef. of Linear thermal expansion parallel (23°C to 85°C)	ISO 11359	E-5 / °C	2.30	-

Identification Code : >PA66-GF33<

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

