

TECHNYL® A 548B V20 BLACK 23N

Product Datasheet - March 2007

Description

Polyamide PA66, reinforced with 20% of glass fibres, heat stabilised, with a very high viscosity for blow-moulding.

Product Applications

Thanks to its processability by blow-moulding. Technyl® A 548B V20 BLACK 23N is suitable for the production of hollow parts like reservoirs or ducts in the Automotive industry, mainly in the engine cooling and air conditioning circuits.

This product 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 of less than 0,2% with a dehumidified air drying equipment at approx 80°C.

Recommended extrusion conditions:

Barrel temperatures:

- feed zone	250 - 260°C
- compression zone	260 - 265°C
- front zone	260 - 265°C
-accumulator	265-285 °C
Die temperatures:	265-285 °C

Safety

Please refer to Safety Data Sheet



Engineering Plastics

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The values of properties are for black grade.

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
Physical				
Density	ISO 1183-A	g/cm3	1.23	-
Molding shrinkage Parallel (1) (RHODIA-EP)	RHODIA-EP	%	1.10	-
Molding shrinkage normal or perpendicular (1) (Rhodia EP)	RHODIA-EP	%	1.10	-
Molding Shrinkage Isotropy	RHODIA-EP		1	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	6500	3800
Tensile strain at break	ISO 527 type 1 A	%	4	10
Tensile strength at break	ISO 527 type 1 A	MPa	120	80
Flexural modulus	ISO 178	MPa	5100	3200
Flexural maximum stress	ISO 178	MPa	180	110
Charpy notched impact strength	ISO 179/1eA	kJ/m2	11	16
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	74	83
Izod notched impact strength	ISO 180/1A	kJ/m2	16	-
Thermal				
Melting Temperature	ISO 11357	°C	261	-
Heat deflection temperature, 1,8 Mpa	ISO 75/Af	°C	228	-

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.**



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