

TECHNYL® AR 218 V50 BLACK

Product Datasheet - July 2007

Description

Polyamide PA66, reinforced with 50% of glass fibre, for injection moulding.

Product Applications

TECHNYL® AR 218 V50 BLACK is suitable for thermal windows insulation.

This product is available in black.

This product can only be used in line with the specific recommendations of the Rhodia Engineering Plastics customer technical service.

Rhodia Engineering Plastics declines all responsibilities for all problems caused by the use of this product, not in line with the recommendations of Rhodia Engineering Plastics customer technical service.

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 ® AR 218 V50 BLACK

The values of properties are for black grade.

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	16200	10500
Elongation at break	ISO 527 type 1 A	%	2	3.80
Tensile strength at break	ISO 527 type 1 A	MPa	174	121
Flexural modulus	ISO 178	MPa	15000	9500
Flexural maximum stress	ISO 178	MPa	290	200
Charpy notched impact strength	ISO 179/1eA	kJ/m2	12	-
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	84	-
Izod notched impact strength	ISO 180/1A	kJ/m2	9.2	-
Izod unnotched impact strength	ISO 180/1U	kJ/m2	54	-
Thermal				
Melting Temperature	ISO 11357	°C	260	-

Identification Code : >PA66-GF50<

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.**



Engineering Plastics

