

## TECHNYL® AR 218 V33 BLACK 34 N

Product Datasheet - September 2010

### Description

Preliminary data sheet - Provisional technical data

Polyamide 66, reinforced with 33% of glass fibre, containing recycled material, for injection moulding, specially stabilized to improve its resistance to automotive cooling liquids.

### Product Applications

TECHNYL® AR 218 V33 BLACK 34N is particularly recommended for the injection moulding of parts in permanent contact with cooling liquids in cars, such as: - cooling and heating radiator systems, header tanks, thermostat components, inlet/outlet pipes.

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 moulding conditions:

Barrel temperatures:

- feed zone 260 - 270°C
- compression zone 270 - 280°C
- front zone 280 - 290°C

Mould temperatures: 80 at 100°C

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

### Safety

Please refer to the Safety Data Sheet



# TECHNYL® AR 218 V33 BLACK 34 N

The values of properties are for black grade.

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
<b>Mechanical</b>				
Tensile modulus	ISO 527 type 1 A	MPa	10051	-
Elongation at break	ISO 527 type 1 A	%	2.80	-
Tensile strength at break	ISO 527 type 1 A	MPa	170	-
Flexural modulus	ISO 178	MPa	9015	-
Flexural maximum stress	ISO 178	MPa	258	-
Charpy notched impact strength	ISO 179/1eA	kJ/m2	7.80	-
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	48.60	-
Izod notched impact strength	ISO 180/1A	kJ/m2	8.20	-
<b>Thermal</b>				
Melting Temperature	ISO 11357	°C	260	-

## Identification Code : >PA66-GF33<

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d.a.m\*.

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