

## TECHNYL® A 218Z1 V30

Product Datasheet - November 2004

### Description

Polyamide 66 reinforced with 30% of glass fibre and spheres, heat stabilised, for Gas Injection Moulding.

### Product Applications

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: 60 - 80 °C

### Safety

Please refer to the Safety Data Sheet

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The values of properties are for black grade.

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
<b>Physical</b>				
Density	ISO 1183-A	g/cm3	1.37	-
<b>Mechanical</b>				
Tensile modulus	ISO 527 type 1 A	MPa	5800	-
Tensile strain at break	ISO 527 type 1 A	%	2.5	-
Tensile strength at break	ISO 527 type 1 A	MPa	110	-
Flexural modulus	ISO 178	MPa	4900	-
Charpy notched impact strength	ISO 179/1eA	kJ/m2	5	-
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	35	-
<b>Flamability</b>				
Flammability UL 94 (Thickness 1,6 mm)	ISO 1210/UL 94		HB	-
<b>Thermal</b>				
Melting Temperature	ISO 11357	°C	263	-

## 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 = Dry As Moulded.

\*\* Cond. = Conditioned according ISO 1110.



Engineering Plastics