

TECHNYL® C 236 V35 BLACK Z

Product Datasheet - April 2005

Description

Polyamide 6, reinforced with 35 % of glass fibre, with high impact resistance, for injection moulding.

Product Applications

Having good mechanical properties, this grade is used in all sectors of industry.

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 less than 0.2% with a dehumidified air drying equipment at approx. 80°C.

Recommended moulding conditions:

- Barrel temperatures:

feed zone	225 - 230°C
compression zone	225 - 235°C
front zone	230 - 240°C

- Mould temperatures: 70 - 90 °C

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

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.**
Physical				
Density	ISO 1183-A	g/cm3	1.34	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	9000	-
Tensile strain at break	ISO 527 type 1 A	%	3.5	-
Tensile strength at break	ISO 527 type 1 A	MPa	160	-
Flexural modulus	ISO 178	MPa	8600	-
Flexural maximum stress	ISO 178	MPa	243	-
Charpy notched impact strength	ISO 179/1eA	kJ/m2	14	-
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	83	-
Flamability				
Flammability UL 94 (Thickness 1,6 mm)	ISO 1210/UL 94		HB	-
Thermal				
Melting Temperature	ISO 11357	°C	222	-

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