

TECHNYL® C 256 V30

Product Datasheet - June 2007

Description

Polyamide 6, reinforced with 30% of glass fibre, with very high impact resistance with good surface, for injection moulding. Grade formerly known as PSB189.

Product Applications

It is particularly suitable for the moulding of sports and leisure goods, such as parts for in-line skates (chassis).

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	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	1.31	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	8000	5400
Elongation at break	ISO 527 type 1 A	%	4	7
Tensile strength at break	ISO 527 type 1 A	MPa	125	80
Flexural modulus	ISO 178	MPa	7800	5100
Charpy notched impact strength	ISO 179/1eA	kJ/m2	20	-
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	87	-
Izod notched impact strength	ISO 180/1A	kJ/m2	20	34
Flamability				
Flammability UL 94 (Thickness 1,6 mm)	ISO 1210/UL 94		HB	-
Thermal				
Melting Temperature	ISO 11357	°C	222	-
Heat deflection temperature, 1,8 Mpa	ISO 75/Af	°C	205	-
Electrical				
Relative permittivity	IEC 60250		3.70	4.5
Dissipation factor	IEC 60250		0.02	0.10
Dielectric strength	IEC 60243	kV/mm	-	21

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.**



Engineering Plastics

CHALLENGING BOUNDARIES

