

TECHNYL® C 256 V18

Product Datasheet - June 2007

Description

Polyamide PA 6 modified, reinforced with 18% of glass fibre, with high impact resistance even at low temperature, for injection moulding. Grade formerly known as PSB197.

Product Applications

TECHNYL® C 256 V18 is particularly adapted for the moulding of sports and leisure goods, such as parts for in-line skates or ski-bindings.

This product is available in natural, black and colours on request.

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 - 230°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



TECHNYL® C 256 V18

The values of properties are for natural grade.

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
Physical				
Water absorption (24 h at 23°C)	ISO 62	%	0	-
Density	ISO 1183-A	g/cm3	1.23	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	5500	3800
Elongation at break	ISO 527 type 1 A	%	4	10
Tensile strength at break	ISO 527 type 1 A	MPa	105	84
Flexural modulus	ISO 178	MPa	5000	3200
Charpy notched impact strength	ISO 179/1eA	kJ/m2	15	-
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	75	-
Izod notched impact strength	ISO 180/1A	kJ/m2	15	25
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	192	-

Identification Code : >PA6-GF18<

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

