

TECHNYL® C 246M V30 BLACK Z

Product Datasheet - September 2004

Description

Polyamide 6, reinforced with 30% of glass fibre, with high impact resistance and excellent surface aspect, for injection moulding. Grade formerly known as PSB206.

Product Applications

It is particularly suitable for moulding of consumer goods including sports and leisure goods.

This product is available in black colour.

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

Safety

Please refer to the Material Safety Data Sheet

TECHNYL® C 246M V30 BLACK Z

The values of properties are for black grade

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
Physical				
Water absorption (24 h at 23°C)	ISO 62	%	1.70	-
Density	ISO 1183-A	g/cm3	1.31	-
Molding shrinkage Parallel (1) (RHODIA-EP)	RHODIA-EP	%	0.40	-
Molding shrinkage normal or perpendicular (1) (Rhodia EP)	RHODIA-EP	%	0.36	-
Molding Shrinkage Isotropy	RHODIA-EP		1.10	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	8500	4800
Tensile strain at break	ISO 527 type 1 A	%	3.5	6.60
Tensile strength at break	ISO 527 type 1 A	MPa	135	85
Flexural modulus	ISO 178	MPa	8300	3900
Flexural maximum stress	ISO 178	MPa	222	130
Charpy notched impact strength	ISO 179/1eA	kJ/m2	15	25
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	85	100
Izod notched impact strength	ISO 180/1A	kJ/m2	18	28
Thermic				
Melting Temperature	ISO 11357	°C	222	-
Heat deflection temperature, 1,8 Mpa	ISO 75/Af	°C	205	-

Identification Code : >PA6-GF30<

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