TECHNYLSTAR TM S 218 V30

Product Datasheet - March 2007

Description

TECHNYLSTAR Polyamide, reinforced with 30% of glass fibre, heat stabilized, characterized by a high fluidity of the melt, for injection moulding.

Product Applications

Due to its outstanding flow caracteristics, TECHNYLSTAR S 218 V30 provides a significant productivity improvement and allows more freedom in mould design and part design versus standard polyamide solutions.

This product is available in natural and 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 0,15% with a dehumidified air drying equipment at approx 80°C.

Recommended moulding conditions :

Barrel temperatures :	- feed zone	220 - 225°C
	- compression zone	225 - 235°C
	- front zone	235 - 245°C
Mould temperatures :		80 °C

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

Safety

Please refer to the Safety Data Sheet K007HV6B8FS

Engineering Plastics

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Rhodia Operations SAS is a French Société par actions simplifiée with the capital of 88 112 895 euros. RCS Bobigny 622 037 083 VAT intracommunity 41 622 037 083

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The values of properties are for natural.

Properties	Standards	Unit	Values	
			d.a.m*.	Cond.**
Physical				
Water absorption (24 h at 23°C)	ISO 62	%	0.95	-
Density	ISO 1183-A	g/cm3	1.34	-
Molding shrinkage Parallel (1) (RHODIA-EP)	RHODIA-EP	%	0.35	-
Molding shrinkage normal or perpendicular (1) (Rhodia EP)	RHODIA-EP	%	0.65	-
Molding Shrinkage Isotropy	RHODIA-EP		0.54	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	9600	6200
Tensile strain at break	ISO 527 type 1 A	%	3.80	4.5
Tensile strength at break	ISO 527 type 1 A	MPa	190	110
Flexural modulus	ISO 178	MPa	8400	4900
Charpy notched impact strength	ISO 179/1eA	kJ/m2	15	31.5
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	81	90
Izod notched impact strength	ISO 180/1A	kJ/m2	12	21
Izod notched impact strength (-30°C)	ISO 180/1A	kJ/m2	12	14
Thermal				
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*.

Cond.**

Rhodia

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