TECHNYL® A 218 MT15 V25

Product Datasheet - June 2007

Description

Polyamide 66, reinforced with 25% of glass fibre and 15% of mineral filler, heat stabilized, for injection moulding.

Product Applications

TECHNYL A 218 MT15 V25 is recommended in all industrial parts, offering a good combination between thermal and mechanical properties.
This grade is commonly used in the automotive industry to mould large parts with a low warpage, such as:
- car body parts, engine cover, rocker cover.

This product is available in natural.

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 260 - 265°C
- compression zone 270 - 280°C
- front zone 280 - 290°C

Mould temperatures : 80 at 100°C

Safety

Please refer to the Safety Data Sheet D6HRI7178FS

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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	%	1.40	-
Density	ISO 1183-A	g/cm3	1.47	-
Molding shrinkage Parallel (1) (RHODIA-EP)	RHODIA-EP	%	0.60	-
Molding shrinkage normal or perpendicular (1) (Rhodia EP)	RHODIA-EP	%	0.80	-
Molding Shrinkage Isotropy	RHODIA-EP		0.75	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	9500	-
Elongation at break	ISO 527 type 1 A	%	2.40	-
Tensile strength at break	ISO 527 type 1 A	MPa	150	-
Flexural modulus	ISO 178	MPa	8800	-
Charpy notched impact strength	ISO 179/1eA	kJ/m2	4.20	-
Izod notched impact strength	ISO 180/1A	kJ/m2	4	-
Flamability				
Flammability UL 94 (Thickness 1,6 mm)	ISO 1210/UL 94		HB	-
Thermal				
Melting Temperature	ISO 11357	°C	263	-
Heat deflection temperature, 1,8 Mpa	ISO 75/Af	°C	240	-
Coef. of Linear thermal expansion normal or perpendicular (23°C to 85°C)	ISO 11359	E-5 / °C	3.5	-

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.**

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