

TECHNYL® A 21T2 V25

Product Datasheet - June 2007

Description

Flame retardant polyamide 66, reinforced with 25% of glass fibre, heat stabilised, for injection moulding.

Product Applications

This phosphorus flame retardant grade, offers excellent filling qualities and with good mechanical properties. This grade is stabilised to offer a very low migration and corrosion of metallic contacts. It is particularly suitable for moulding insulating parts for electrical devices:

- connectors
- contactors.
- bobbins coil formers
- thin parts under stress

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 0,2% with a dehumidified air drying equipment at approx 80°C.

Recommended moulding conditions:

Barrel temperatures:

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

Mould temperatures: 60 at 80°C

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

Safety

Please refer to the Safety Data Sheet HFE8NVRT8FS

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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	%	0	-
Density	ISO 1183-A	g/cm3	0	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	7700	-
Elongation at break	ISO 527 type 1 A	%	2.70	-
Tensile strength at break	ISO 527 type 1 A	MPa	135	-
Flexural modulus	ISO 178	MPa	7200	-
Flexural maximum stress	ISO 178	MPa	187	-
Flamability				
Glow wire flammability index (thickness = 1,6)	IEC 60695-2-12	°C	960	-
Thermal				
Melting Temperature	ISO 11357	°C	263	-
Electrical				
Comparative tracking index sol. A	IEC 60112	Volt	450	-

Identification Code : >PA66-GF25 FR(52)<

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

