TECHNYL® A 302 V25

Product Datasheet - June 2007

Description

Polyamide 66, high viscosity, for extrusion, reinforced with 25% of glass fibre.

Product Applications

TECHNYL A 302 V25 is used for extrusion of the thermal brack for aluminium window frames and of semifinished profiles.

This product is available in 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 extrusion conditions:

Barrel temperatures:	- feed zone	255 - 265°C
	- compression zone	275 - 280°C
	- front zone	280 - 285°C
Draw - plate temperatures:		280 at 285°C

Safety

Please refer to the Safety Data Sheet

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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	%	0.80	-
Density	ISO 1183-A	g/cm3	1.30	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	8500	5500
Tensile strength at yield	ISO 527 type 1 A	MPa	155	93
Elongation at yield	ISO 527 type 1 A	%	3	5
Elongation at break	ISO 527 type 1 A	%	3	8
Tensile strength at break	ISO 527 type 1 A	MPa	155	90
Flexural modulus	ISO 178	MPa	7500	4500
Charpy notched impact strength	ISO 179/1eA	kJ/m2	8	13
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	65	80
Izod notched impact strength	ISO 180/1A	kJ/m2	8	14
Thermal				
Melting Temperature	ISO 11357	°C	263	-
Electrical				
Dissipation factor	IEC 60250		0.01	0.08
Volume resistivity	IEC 60093	Ohm.cm	10E14	10E12
Surface resistivity	IEC 60093	Ohm	10E13	10E11
Dielectric strength	IEC 60243	kV/mm	35	46
Comparative tracking index sol. A	IEC 60112	Volt	600	575

Identification Code : >PA66-GF25<

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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