

TECHNYL® A 206K NATURAL T

Product Datasheet - June 2007

Description

Unreinforced polyamide 66, high fluidity, fast cycling grade, with improved impact resistance even at low temperature, for injection moulding.

Product Applications

TECHNYL® A 206K NATURAL T offers three main advantages: excellent filling qualities, good ductility at low temperature and is V2 rated under 0.8 mm according to UL94.

It is particularly suitable for the moulding of long parts with thin wall sections, such as:

- cable ties and fasteners,
- connectors.

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 270 - 275°C
- compression zone 280 - 285°C
- front zone 285 - 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 BK9KH80B8FSA1

TECHNYL® A 206K NATURAL T

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	%	1.20	-
Density	ISO 1183-A	g/cm3	1.14	-
Molding shrinkage Parallel (1) (RHODIA-EP)	RHODIA-EP	%	1.70	-
Molding shrinkage normal or perpendicular (1) (Rhodia EP)	RHODIA-EP	%	1.70	-
Mechanical				
Tensile modulus	ISO 527 type 1 A	MPa	3200	1600
Tensile strength at yield	ISO 527 type 1 A	MPa	85	50
Elongation at yield	ISO 527 type 1 A	%	8	10
Elongation at break	ISO 527 type 1 A	%	20	200
Tensile strength at break	ISO 527 type 1 A	MPa	65	40
Flexural modulus	ISO 178	MPa	2900	1300
Flexural maximum stress	ISO 178	MPa	120	50
Charpy notched impact strength	ISO 179/1eA	kJ/m2	5	10
Charpy unnotched impact strength	ISO 179/1eU	kJ/m2	NB	NB
Izod notched impact strength	ISO 180/1A	kJ/m2	4	13
Flamability				
Glow wire flammability index (thickness = 1,6)	IEC 60695-2-12	°C	800	-
Thermal				
Melting Temperature	ISO 11357	°C	263	-
Electrical				
Dissipation factor	IEC 60250		0.03	0.08
Volume resistivity	IEC 60093	Ohm.cm	10E14	10E12
Surface resistivity	IEC 60093	Ohm	10E13	10E11
Dielectric strength	IEC 60243	kV/mm	27	26
Comparative tracking index sol. A	IEC 60112	Volt	600	-
Comparative tracking index sol. B	IEC 60112	Volt	600	-

Identification Code : >PA66<

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d.a.m*.

Cond.**



Engineering Plastics

