

Polymer	Characteristics	Application	Quality	Product Number
polyamide 66	PA66 reinforced with glass fibre and glass beads, heat stabilised	injection moulding	prime	1332000

Properties (in natural colour at 23°C)	Unit	Test Method	Value
General			
Symbols and abbreviated terms		STN EN ISO 1043-1	PA 66
Density	g/cm ³	STN EN ISO 1183-1	1,45
Type of the filler: GF, GB, MF, G			GF, GB
Stabilisation: TS, LS, K			TS
Modification: FR, HI, MI, ME			
Colour: NA, F, BK			NA/F
Processing			
Processing method: IM, E	°C		IM
Melting point DSC	°C	STN EN ISO 11357-1	260
Melt temperature range	°C		280-300
Mould temperature range	°C		70-80
Injection pressure	MPa		70-120
Drying: temperature/time	°C/H		80/4
Water content	%	STN EN ISO 3344	0,15
Melt flow rate 275°C/0,325 kg	g/10 min	STN EN ISO 1133	1
Manufacturing shrinkage length / width	%	STN EN ISO 294-4	0,42/0,53
Mechanical			
Tensile strength	MPa	STN EN ISO 527-2	125
Elongation	%	STN EN ISO 527-2	3
Tensile modulus	MPa	STN EN ISO 527-2	7350
Flexural modulus	MPa	STN EN ISO 178	5800
Flexural strength	MPa	STN EN ISO 178	225
Charpy impact strength 23°C	kJ/m ²	STN EN ISO 179	35
Charpy impact strength -20°C	kJ/m ²	STN EN ISO 179	32
Charpy notched impact strength 23°C	kJ/m ²	STN EN ISO 179	4
Charpy notched impact strength -20°C	kJ/m ²	STN EN ISO 179	2
Thermal			
Heat deflection temperature	°C	STN EN ISO 75-2 (A)	242
Vicat softening point B	°C	STN EN ISO 306	251
Flammability			
Flammability	°flam.	UL - 94	HB
Glow wire test	°C	STN EN 60695-2-12	650 (3mm)

Electrical			
Comparative tracking index CTI, A	V	STN EN 60112	500
Volume resistivity	Ohm.m	STN 34 6460	1x10 ¹⁵
Surface resistivity	Ohm	STN 34 6460	1x10 ¹⁴
Electric strength	kV/mm	STN EN 60243-2	85

Features

PA66 reinforced with 15 % glass fibre and 25% of glass beads, heat stabilised. Improved anisotropy of shrinkage. High surface brightness, low warpage. Manufacturing of exact parts /mainly in flat form/, throttle valves in air piping. Delivered in the full RAL colour scale.

Packaging, transportation, storage

The product is packed either in hermetically closed thick-walled 25 kg PE bags placed on a 1.000 kg palette coated by a stretch film, or in PE bag inserted in bigbag placed on a 1.000 kg palette or in PE bag inserted in paper octabin placed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation.

NOTE:

Data and values are average measured values, they are intended for technical service advices and can be changed without prior notice.

Contact: Sales Department;

Tel: +421 2 44 259160; fax: +421 2 44259223; E-mail: office@plastcom.sk; Url: www.plastcom.sk

Centrála:

Plastcom, spol. s r.o.
Hattalova 4, 831 03 Bratislava
Tel: 00421 2 44 259 160
Fax: 00421 2 44 259 223

Závod:

Plastcom, spol. s r.o.
Štúrova 53, 949 01 Nitra
Tel: 00421 37 77 29 419
Fax: 00421 37 77 29 418

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v Obchodnom registri Okresného súdu
Bratislava I.,
oddiel Sro, Vložka číslo: 903/B