

Polymer	Characteristics	Application	Quality	Product Number
polyamide 66	PA66 reinforced with glass fibre	injection moulding	prime	303000

Properties (in natural colour at 23°C)	Unit	Test Method	Value
<b>General</b>			
Symbols and abbreviated terms		STN EN ISO 1043-1	PA 66
Density	g/cm <sup>3</sup>	STN EN ISO 1183-1	1.23
Type of the filler: GF, GB, MF, G			GF
Stabilisation: TS, LS, K			
Modification: FR, HI, MI, ME			
Colour: NA, F, BK			NA/F
<b>Processing</b>			
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		60-90
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	3
Manufacturing shrinkage length / width	%	STN EN ISO 294-4	0,8/1,2
<b>Mechanical</b>			
Tensile strength	MPa	STN EN ISO 527-2	130
Elongation	%	STN EN ISO 527-2	3
Tensile modulus	MPa	STN EN ISO 527-2	6000
Flexural modulus	MPa	STN EN ISO 178	5500
Flexural strength	MPa	STN EN ISO 178	180
Charpy impact strength 23°C	kJ/m <sup>2</sup>	STN EN ISO 179	45
Charpy impact strength -20°C	kJ/m <sup>2</sup>	STN EN ISO 179	40
Charpy notched impact strength 23°C	kJ/m <sup>2</sup>	STN EN ISO 179	8
Charpy notched impact strength -20°C	kJ/m <sup>2</sup>	STN EN ISO 179	7
<b>Thermal</b>			
Heat deflection temperature	°C	STN EN ISO 75-2 (A)	250
Vicat softening point B	°C	STN EN ISO 306	250
<b>Flammability</b>			
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	400
Volume resistivity	Ohm.m	STN 34 6460	1x10 <sup>15</sup>
Surface resistivity	Ohm	STN 34 6460	1x10 <sup>14</sup>
Electric strength	kV/mm	STN EN 60243-2	40

### Features

PA66 reinforced with 15% glass fibre, suitable for mouldings used in the automotive, engineering and electrical industry. Application: hobby tools, covers of electrotools, electromotors, cooling screws of blowers, gear wheels, carrying parts in the automotive industry like eg. brake cables. Delivered in natural mode and 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](mailto:office@plastcom.sk); Url: [www.plastcom.sk](http://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

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