

Polymer	Characteristics	Application	Quality	Product Number
polyamide 6/66 C	PA6/66 C reinforced with glass fibre, improved impact strength	injection moulding	prime	1521000

Properties (in natural colour at 23°C)	Unit	Test Method	Value
General			
Symbols and abbreviated terms		STN EN ISO 1043-1	PA 6/66 C
Density	g/cm ³	STN EN ISO 1183-1	1,36
Type of the filler: GF, GB, MF, G			GF
Stabilisation: TS, LS, K			
Modification: FR, HI, MI, ME			HI
Colour: NA, F, BK			NA/F
Processing			
Processing method: IM, E	°C		IM
Melting point DSC	°C	STN EN ISO 11357-1	220
Melt temperature range	°C		250-270
Mould temperature range	°C		70-90
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/2,16 kg	g/10 min	STN EN ISO 1133	5
Manufacturing shrinkage length / width	%	STN EN ISO 294-4	1,2/1,5
Mechanical			
Tensile strength	MPa	STN EN ISO 527-2	160
Elongation	%	STN EN ISO 527-2	4
Tensile modulus	MPa	STN EN ISO 527-2	9500
Flexural modulus	MPa	STN EN ISO 178	7400
Flexural strength	MPa	STN EN ISO 178	195
Charpy impact strength 23°C	kJ/m ²	STN EN ISO 179	80
Charpy impact strength -20°C	kJ/m ²	STN EN ISO 179	80
Charpy notched impact strength 23°C	kJ/m ²	STN EN ISO 179	14
Charpy notched impact strength -20°C	kJ/m ²	STN EN ISO 179	10
Thermal			
Heat deflection temperature	°C	STN EN ISO 75-2 (A)	190
Vicat softening point B	°C	STN EN ISO 306	205
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	
Volume resistivity	Ohm.m	STN 34 6460	
Surface resistivity	Ohm	STN 34 6460	
Electric strength	kV/mm	STN EN 60243-2	

Features

PA 6/66 copolyamide with the content of thermoplastic elastomer. Impacted, for mouldings with high toughness even at low temperatures, suitable for external use, eg. ski shoes, sports and safety helmets, protection ledges of the car-doors. 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; 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