

Polymer	Characteristics	Application	Quality	Product Number
polyamide 6	PA6 reinforced with mineral filler, UV stabilised	injection moulding	prime	997000

Properties (in natural colour at 23°C)	Unit	Test Method	Value
General			
Symbols and abbreviated terms		STN EN ISO 1043-1	PA 6
Density	g/cm ³	STN EN ISO 1183-1	1,36
Type of the filler: GF, GB, MF, G			MF
Stabilisation: TS, LS, K			LS
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	222
Melt temperature range	°C		240 - 270
Mould temperature range	°C		60 - 90
Injection pressure	MPa		80 - 120
Drying: temperature/time	°C/H		80/4
Water content	%	STN EN ISO 3344	0,1
Melt flow rate 230°C/2,16 kg	g/10 min	STN EN ISO 1133	15
Manufacturing shrinkage length / width	%	STN EN ISO 294-4	1,2/1,3
Mechanical			
Tensile strength	MPa	STN EN ISO 527-2	67
Elongation	%	STN EN ISO 527-2	4
Tensile modulus	MPa	STN EN ISO 527-2	4400
Flexural modulus	MPa	STN EN ISO 178	3750
Flexural strength	MPa	STN EN ISO 178	110
Charpy impact strength 23°C	kJ/m ²	STN EN ISO 179	0
Charpy impact strength -20°C	kJ/m ²	STN EN ISO 179	135
Charpy notched impact strength 23°C	kJ/m ²	STN EN ISO 179	18
Charpy notched impact strength -20°C	kJ/m ²	STN EN ISO 179	3,5
Thermal			
Heat deflection temperature	°C	STN EN ISO 75-2 (A)	170
Vicat softening point B	°C	STN EN ISO 306	165
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

Modified PA 6 for injection moulding with the content of 30% calcium carbonate, UV stabilised. Increased strength, rigidity and thermal application up to 100°C. Decreased shrinkage. Improved impact strength. Application - wheel covers. 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.

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