

| Polymer | Characteristics | Application | Quality | Product Number |
|-------------|---|--------------------|---------|----------------|
| polyamide 6 | PA6 reinforced with glass fiber, flame retarded | injection moulding | prime | 943000 |

| 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 | 1,35 |
| Type of the filler: GF, GB, MF, G | | | GF |
| Stabilisation: TS, LS, K | | | |
| Modification: FR, HI, MI, ME | | | FR |
| 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 | | 250 - 270 |
| Mould temperature range | °C | | 50-70 |
| Injection pressure | MPa | | 70 - 100 |
| Drying: temperature/time | °C/H | | 80/4 |
| Water content | % | STN EN ISO 3344 | 0,15 |
| Melt flow rate 230°C/2,16 kg | g/10 min | STN EN ISO 1133 | 2 |
| Manufacturing shrinkage length / width | % | STN EN ISO 294-4 | 0,51/1,28 |
| Mechanical | | | |
| Tensile strength | MPa | STN EN ISO 527-2 | 135 |
| Elongation | % | STN EN ISO 527-2 | 2 |
| Tensile modulus | MPa | STN EN ISO 527-2 | 10000 |
| Flexural modulus | MPa | STN EN ISO 178 | 8400 |
| Flexural strength | MPa | STN EN ISO 178 | 205 |
| Charpy impact strength 23°C | kJ/m ² | STN EN ISO 179 | 40 |
| Charpy impact strength -20°C | kJ/m ² | STN EN ISO 179 | 40 |
| Charpy notched impact strength 23°C | kJ/m ² | STN EN ISO 179 | 5 |
| Charpy notched impact strength -20°C | kJ/m ² | STN EN ISO 179 | 5 |
| Thermal | | | |
| Heat deflection temperature | °C | STN EN ISO 75-2 (A) | 200 |
| Vicat softening point B | °C | STN EN ISO 306 | 210 |
| Flammability | | | |
| Flammability | °flam. | UL - 94 | V 0 (3,2 mm) |
| Glow wire test | °C | STN EN 60695-2-12 | 960 (3mm) |

| Electrical | | | |
|-----------------------------------|-------|----------------|--------------------|
| Comparative tracking index CTI, A | V | STN EN 60112 | 600 |
| Volume resistivity | Ohm.m | STN 34 6460 | 1x10 ¹³ |
| Surface resistivity | Ohm | STN 34 6460 | 1x10 ¹⁵ |
| Electric strength | kV/mm | STN EN 60243-2 | 60 |
| | | | |

Features

PA 6 for injection moulding, reinforced with 25% glass fibre, flame retarded with nonhalogen flame retardant. Main features: flammability in accordance with UL 94 V0 at 3,2 mm, glow wire at 960°C (3mm). Application for the electrical industry: protectors, coil forms, covers, terminals. 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

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