

| Polymer      | Characteristics                                  | Application        | Quality | Product Number |
|--------------|--|--------------------|---------|----------------|
| polyamide 66 | PA66 reinforced with glass fibre, flame retarded | injection moulding | prime   | 386000         |

| 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   | 1.58        |
| 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        |
| <b>Processing</b>                      |                   |                     |             |
| Processing method: IM, E               | °C                |                     | IM          |
| Melting point DSC                      | °C                | STN EN ISO 11357-1  | 260         |
| Melt temperature range                 | °C                |                     | 260 - 280   |
| Mould temperature range                | °C                |                     | 70 - 100    |
| Injection pressure                     | MPa               |                     | 50 - 90     |
| Drying: temperature/time               | °C/H              |                     | 90/4        |
| Water content                          | %                 | STN EN ISO 3344     | 0,1         |
| 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    | 0,8/0,9     |
| <b>Mechanical</b>                      |                   |                     |             |
| Tensile strength                       | MPa               | STN EN ISO 527-2    | 165         |
| Elongation                             | %                 | STN EN ISO 527-2    | 2,8         |
| Tensile modulus                        | MPa               | STN EN ISO 527-2    | 10250       |
| Flexural modulus                       | MPa               | STN EN ISO 178      | 7560        |
| Flexural strength                      | MPa               | STN EN ISO 178      | 235         |
| Charpy impact strength 23°C            | kJ/m <sup>2</sup> | STN EN ISO 179      | 65          |
| Charpy impact strength -20°C           | kJ/m <sup>2</sup> | STN EN ISO 179      | 60          |
| Charpy notched impact strength 23°C    | kJ/m <sup>2</sup> | STN EN ISO 179      | 10          |
| Charpy notched impact strength -20°C   | kJ/m <sup>2</sup> | STN EN ISO 179      | 8           |
| <b>Thermal</b>                         |                   |                     |             |
| Heat deflection temperature            | °C                | STN EN ISO 75-2 (A) | 250         |
| Vicat softening point B                | °C                | STN EN ISO 306      | 255         |
| <b>Flammability</b>                    |                   |                     |             |
| Flammability                           | °flam.            | UL - 94             | V 0 (1,6mm) |
| Glow wire test                         | °C                | STN EN 60695-2-12   | 960 (3mm)   |

| Electrical                        |       |                |                    |
|-----------------------------------|-------|----------------|--------------------|
| Comparative tracking index CTI, A | V     | STN EN 60112   | 450                |
| Volume resistivity                | Ohm.m | STN 34 6460    | 1x10 <sup>13</sup> |
| Surface resistivity               | Ohm   | STN 34 6460    | 1x10 <sup>14</sup> |
| Electric strength                 | kV/mm | STN EN 60243-2 | 40                 |
|                                   |       |                |                    |

### Features

PA66 for injection moulding, reinforced with 25 % glass fibre, flame retarded with halogen flame retardant.  
Main features: flammability in accordance with UL 94 V0 at 1,6 mm, glow wire at 960°C. 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.

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