

| Polymer       | Characteristics                   | Application        | Quality | Product Number |
|---------------|-----------------------------------|--------------------|---------|----------------|
| polypropylene | PP reinforced with mineral filler | injection moulding | prime   | 247000         |

| Properties (in natural colour at 23°C) | Unit              | Test Method         | Value   |
|--|-------------------|---------------------|---------|
| <b>General</b>                         |                   |                     |         |
| Symbols and abbreviated terms          |                   | STN EN ISO 1043-1   | PP      |
| Density                                | g/cm <sup>3</sup> | STN EN ISO 1183-1   | 1,14    |
| Type of the filler: GF, GB, MF, G      |                   |                     | MF      |
| 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  | 160     |
| Melt temperature range                 | °C                |                     | 200-250 |
| Mould temperature range                | °C                |                     | 40-70   |
| Injection pressure                     | MPa               |                     | 70-120  |
| Drying: temperature/time               | °C/H              |                     |         |
| Water content                          | %                 | STN EN ISO 3344     |         |
| Melt flow rate 230°C/2,16 kg           | g/10 min          | STN EN ISO 1133     | 4       |
| Manufacturing shrinkage length / width | %                 | STN EN ISO 294-4    | 1,5/1,4 |
| <b>Mechanical</b>                      |                   |                     |         |
| Tensile strength                       | MPa               | STN EN ISO 527-2    | 30      |
| Elongation                             | %                 | STN EN ISO 527-2    | 3       |
| Tensile modulus                        | MPa               | STN EN ISO 527-2    | 2800    |
| Flexural modulus                       | MPa               | STN EN ISO 178      | 2700    |
| Flexural strength                      | MPa               | STN EN ISO 178      | 50      |
| Charpy impact strength 23°C            | kJ/m <sup>2</sup> | STN EN ISO 179      | 30      |
| Charpy impact strength -20°C           | kJ/m <sup>2</sup> | STN EN ISO 179      | 14      |
| Charpy notched impact strength 23°C    | kJ/m <sup>2</sup> | STN EN ISO 179      | 3       |
| Charpy notched impact strength -20°C   | kJ/m <sup>2</sup> | STN EN ISO 179      | 1       |
| <b>Thermal</b>                         |                   |                     |         |
| Heat deflection temperature            | °C                | STN EN ISO 75-2 (A) | 130     |
| Vicat softening point B                | °C                | STN EN ISO 306      | 160     |
| <b>Flammability</b>                    |                   |                     |         |
| Flammability                           | °flam.            | UL - 94             |         |
| Glow wire test                         | °C                | STN EN 60695-2-12   |         |

| 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 PP homopolymer for injection moulding with the content of 30% mineral filler. General application in all industry branches. Delivered in full RAL colour.

### 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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