

| Polymer       | Characteristics                   | Application        | Quality | Product Number |
|---------------|-----------------------------------|--------------------|---------|----------------|
| polypropylene | PP reinforced with mineral filler | injection moulding | prime   | 248000         |

| 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   | 1,054     |
| 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  | 150       |
| Melt temperature range                 | °C                |                     | 200-250   |
| Mould temperature range                | °C                |                     | 40-60     |
| 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     | 5         |
| Manufacturing shrinkage length / width | %                 | STN EN ISO 294-4    | 1,36/1,56 |
| <b>Mechanical</b>                      |                   |                     |           |
| Tensile strength                       | MPa               | STN EN ISO 527-2    | 25        |
| Elongation                             | %                 | STN EN ISO 527-2    | 110       |
| Tensile modulus                        | MPa               | STN EN ISO 527-2    | 1500      |
| Flexural modulus                       | MPa               | STN EN ISO 178      | 1800      |
| Flexural strength                      | MPa               | STN EN ISO 178      | 25        |
| 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      | 20        |
| 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      | 1,5       |
| <b>Thermal</b>                         |                   |                     |           |
| Heat deflection temperature            | °C                | STN EN ISO 75-2 (A) | 90        |
| Vicat softening point B                | °C                | STN EN ISO 306      | 150       |
| <b>Flammability</b>                    |                   |                     |           |
| Flammability                           | °flam.            | UL - 94             | HB        |
| Glow wire test                         | °C                | STN EN 60695-2-12   | 750 (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 PP copolymer for injection moulding with the content of 20% 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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