

| Polymer | Characteristics | Application | Quality | Product Number |
|---------------|-----------------------------------|--------------------|---------|----------------|
| polypropylene | PP reinforced with mineral filler | injection moulding | prime | 252000 |

| Properties (in natural colour at 23°C) | Unit | Test Method | Value |
|--|-------------------|---------------------|----------|
| General | | | |
| Symbols and abbreviated terms | | STN EN ISO 1043-1 | PP |
| Density | g/cm ³ | STN EN ISO 1183-1 | 1,19 |
| Type of the filler: GF, GB, MF, G | | | MF |
| Stabilisation: TS, LS, K | | | |
| 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 | 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 | 12 |
| Manufacturing shrinkage length / width | % | STN EN ISO 294-4 | 1,25/1,3 |
| Mechanical | | | |
| Tensile strength | MPa | STN EN ISO 527-2 | 30 |
| Elongation | % | STN EN ISO 527-2 | 4 |
| Tensile modulus | MPa | STN EN ISO 527-2 | 3800 |
| Flexural modulus | MPa | STN EN ISO 178 | 3700 |
| Flexural strength | MPa | STN EN ISO 178 | |
| Charpy impact strength 23°C | kJ/m ² | STN EN ISO 179 | 50 |
| Charpy impact strength -20°C | kJ/m ² | STN EN ISO 179 | 15 |
| Charpy notched impact strength 23°C | kJ/m ² | STN EN ISO 179 | 4 |
| Charpy notched impact strength -20°C | kJ/m ² | STN EN ISO 179 | 3 |
| Thermal | | | |
| Heat deflection temperature | °C | STN EN ISO 75-2 (A) | 130 |
| Vicat softening point B | °C | STN EN ISO 306 | 142 |
| Flammability | | | |
| 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 copolymer for injection moulding with the content of 40% 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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