

Product description

PP homopolymer reinforced 30% glass fibre, medium flow rate, chemically coupled.

Process conditions

| | |
|--|---------------------|
| Melt temperature range: | 210 - 250 °C |
| Mould temperature range: | 50 - 70 °C |
| Linear mould shrinkage (23 °C 3,2 mm): | 0,3 - 0,4 % |
| Drying process: | not required |

| Properties | Unit | Value | Conditions | Method |
|---|-------------------|------------------------------|-----------------------|---------------|
| Physical | | | | |
| Melt flow rate | g/10min | 10 | 230 °C 2,16 Kg | ASTM D 1238 L |
| Density | g/cm ³ | 1,13 | | ASTM D 792 |
| Mechanical | | | | |
| Tensile strength at Yield | MPa | 90 | | ASTM D 638 |
| Elongation, ultimate | % | 3 | | ASTM D 638 |
| Flexural modulus | MPa | 5500 | | ASTM D 790 |
| Notched IZOD impact strength | J/m | 100 | + 23 °C | ASTM D 256 |
| Notched IZOD impact strength | J/m | 80 | 0 °C | ASTM D 256 |
| Thermal | | | | |
| VICAT softening point | °C | 130 | 49 N | ASTM D 1525 |
| Heat Deflection Temperature HDT | °C | 148 | 185 N/cm ² | ASTM D 648 |
| Accelerated oven ageing in air (air forced circulation) | Ore | ≥ 150 | 150 °C | ASTM D 3012 |
| Coefficient of linear thermal expansion | cm/cm x °C | 4,5 x 10⁻⁵ | | ASTM D 696 |

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and it is in no way binding: therefore have no formal guarantee of validity.

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