

TALCOPRENE® OC320TC NAT001 - PP

Description

Polypropylene, 20% mineral filled, low flow.

Physical properties

| ISO | Value | Unit | Test Standard |
|---------------------|-------|-------------------|---------------|
| Density | 1040 | kg/m ³ | ISO 1183 |
| Melt flow rate, MFR | 2.2 | g/10min | ISO 1133 |
| MFR temperature | 230 | °C | ISO 1133 |
| MFR load | 2.16 | kg | ISO 1133 |

Mechanical properties

| ISO | Value | Unit | Test Standard |
|---|-------|-------------------|---------------|
| Tensile modulus | 2000 | MPa | ISO 527-2/1A |
| Tensile stress at yield, 50mm/min | 26 | MPa | ISO 527-2/1A |
| Tensile strain at yield, 50mm/min | 10 | % | ISO 527-2/1A |
| Tensile nominal strain at break, 50mm/min | >100 | % | ISO 527-2/1A |
| Charpy notched impact strength, 23 °C | 10 | kJ/m ² | ISO 179/1eA |

Thermal properties

| ISO | Value | Unit | Test Standard |
|--|-------|-------|---------------|
| Vicat softening temperature, 50 °C/h 50N | 72 | °C | ISO 306 |
| Flammability at thickness h | HB | class | UL 94 |
| thickness tested (h) | 1.50 | mm | UL 94 |
| UL recognition (h) | UL | - | UL 94 |

Typical injection moulding processing conditions

Pre Drying

| | DryTime | DryTemp |
|-----|---------|---------|
| max | 3 h | 100 °C |
| min | 2 h | 80 °C |

Temperature

| | CavTemp | Nozzle Temp | Z3Temp | Z2Temp | Z1Temp |
|-----|---------|-------------|--------|--------|--------|
| max | 60 °C | 250 °C | 240 °C | 230 °C | 210 °C |
| min | 30 °C | 230 °C | 220 °C | 210 °C | 190 °C |

Other text information

Longer pre-drying times/storage

This product should be stored in a covered facility and kept away from moisture and heat.

Characteristics

Product Categories

Impact modified, Mineral reinforced

Processing

Injection molding