Celanese
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# TALCOPRENE® OC2520CM2U1 NERO 8153 (OK1)

## TALCOPRENE®

Polypropylene, 20% mineral filled, UV stabilised

## Product information

| | | | |
|---|---|---|---|
| Resin Identification | PP-T20 | | ISO 1043 |
| Part Marking Code | >PP-T20< | | ISO 11469 |

## Rheological properties

| | | | |
|---|---|---|---|
| Melt mass-flow rate | 25 | g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 | °C | |
| Melt mass-flow rate, Load | 2.16 | kg | |

## Typical mechanical properties

| | | | |
|---|---|---|---|
| Tensile modulus | 2900 | MPa | ISO 527-1/-2 |
| Tensile stress at yield, 50mm/min | 27 | MPa | ISO 527-1/-2 |
| Flexural modulus | 2800 | MPa | ISO 178 |
| Flexural strength | 42 | MPa | ISO 178 |
| Charpy notched impact strength, 23°C | 2.8 | kJ/m² | ISO 179/1eA |
| Izod notched impact strength, 23°C | 3 | kJ/m² | ISO 180/1A |
| Poisson's ratio | 0.37[C] | | |

[C]: Calculated

## Thermal properties

| | | | |
|---|---|---|---|
| Vicat softening temperature, 50°C/h 50N | 82 | °C | ISO 306 |

## Flammability

| | | | |
|---|---|---|---|
| Burning Behav. at 1.5mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Burning Behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 3.2 | mm | IEC 60695-11-10 |

## Physical/Other properties

| | | | |
|---|---|---|---|
| Density | 1050 | kg/m³ | ISO 1183 |

## Injection

| | | |
|---|---|---|
| Drying Temperature | 100 | °C |
| Drying Time, Dehumidified Dryer | 2 - 3 | h |
| Min. mould temperature | 30 | °C |
| Max. mould temperature | 60 | °C |

## Characteristics

| | |
|---|---|
| Processing | Injection Moulding |
| Additives | Mineral Filler |
| Special characteristics | U.V. stabilised or stable to weather |

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## Additional information

Processing Notes

### Storage

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



Revised: 2024-01-23 Source: Celanese Materials Database