

## TECNOPRENE® 3QK10 GRIGIO 7840 - PP

Experimental Grade. Please contact your Celanese representative for further information.

### Description

Polypropylene, copolymer, 50% glass fiber reinforced, chemically coupled, very low flow

| Physical properties | Value | Unit              | Test Standard |
|---------------------|-------|-------------------|---------------|
| Density             | 1350  | kg/m <sup>3</sup> | ISO 1183      |
| Melt flow rate, MFR | 0.5   | g/10min           | ISO 1133      |
| MFR temperature     | 230   | °C                | ISO 1133      |
| MFR load            | 2.16  | kg                | ISO 1133      |

| Mechanical properties                | Value | Unit              | Test Standard |
|--------------------------------------|-------|-------------------|---------------|
| Tensile modulus                      | 8500  | MPa               | ISO 527-2/1A  |
| Tensile stress at break, 5mm/min     | 72    | MPa               | ISO 527-2/1A  |
| Tensile strain at break, 5mm/min     | 6.5   | %                 | ISO 527-2/1A  |
| Flexural modulus, 23°C               | 8300  | MPa               | ISO 178       |
| Flexural strength, 23°C              | 130   | MPa               | ISO 178       |
| Charpy impact strength, 23°C         | 70    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, 23°C | 23    | kJ/m <sup>2</sup> | ISO 179/1eA   |

| Thermal properties               | Value | Unit  | Test Standard |
|----------------------------------|-------|-------|---------------|
| DTUL at 1.8 MPa                  | 142   | °C    | ISO 75-1, -2  |
| Flammability @1.6mm nom. thickn. | HB    | class | UL 94         |

### Typical injection moulding processing conditions

| Pre Drying         | Value     | Unit | Test Standard |
|--------------------|-----------|------|---------------|
| Drying time        | 2 - 3     | h    | -             |
| Drying temperature | 80 - 100  | °C   | -             |
| Temperature        | Value     | Unit | Test Standard |
| Zone1 temperature  | 200 - 220 | °C   | -             |
| Zone2 temperature  | 220 - 240 | °C   | -             |
| Zone3 temperature  | 240 - 260 | °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

#### Special Characteristics

High viscosity

#### Processing

Other extrusion

#### Product Categories

Glass reinforced

