

## TALCOPRENE® 520TL LE NERO - PP

### Description

Polypropylene, homopolymer, mineral filled, heat stabilized, low emission.

### Physical properties

| ISO                 | Value | Unit              | Test Standard |
|---------------------|-------|-------------------|---------------|
| Density             | 1050  | kg/m <sup>3</sup> | ISO 1183      |
| Melt flow rate, MFR | 6     | 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                      | 2400  | MPa               | ISO 527-2/1A  |
| Tensile stress at yield, 50mm/min    | 32    | MPa               | ISO 527-2/1A  |
| Tensile strain at break, 50mm/min    | 20    | %                 | ISO 527-2/1A  |
| Flexural modulus, 23°C               | 2500  | MPa               | ISO 178       |
| Flexural strength, 23°C              | 50    | MPa               | ISO 178       |
| Charpy impact strength, 23°C         | 35    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, 23°C | 2.7   | kJ/m <sup>2</sup> | ISO 179/1eA   |

### Thermal properties

| ISO                                     | Value | Unit  | Test Standard |
|-----------------------------------------|-------|-------|---------------|
| Vicat softening temperature, 50°C/h 50N | 95    | °C    | ISO 306       |
| Flammability @1.6mm nom. thickn.        | HB    | class | 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

Low emission, Mineral reinforced

#### Processing

Injection molding