

**TALCOPRENE® 1520TL1ALP NERO - PP**
**Description**

Polypropylene, homopolymer, 20% mineral filled, laser markable

**Physical properties**

| ISO                 | Value | Unit              | Test Standard |
|---------------------|-------|-------------------|---------------|
| Density             | 1060  | kg/m <sup>3</sup> | ISO 1183      |
| Melt flow rate, MFR | 15    | 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                      | 2600  | MPa               | ISO 527-2/1A  |
| Tensile stress at yield, 50mm/min    | 31    | MPa               | ISO 527-2/1A  |
| Tensile strain at break, 50mm/min    | 10    | %                 | ISO 527-2/1A  |
| Flexural modulus, 23°C               | 2400  | MPa               | ISO 178       |
| Flexural strength, 23°C              | 50    | MPa               | ISO 178       |
| Charpy notched impact strength, 23°C | 2.5   | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Izod impact notched, 23°C            | 2.7   | kJ/m <sup>2</sup> | ISO 180/1A    |

**Thermal properties**

| ISO                                     | Value | Unit  | Test Standard |
|---|-------|-------|---------------|
| Vicat softening temperature, 50°C/h 50N | 100   | °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**
**Special Characteristics**

Laser markable

**Processing**

Injection molding

**Product Categories**

Mineral reinforced