

**TALCOPRENE® 1540TLT2 NERO 8134 - PP**

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

**Description**

Polypropylene, homopolymer, mineral filled, high heat stabilization.

**Physical properties**

| ISO                 | Value | Unit              | Test Standard |
|---------------------|-------|-------------------|---------------|
| Density             | 1270  | 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                      | 3800  | MPa               | ISO 527-2/1A  |
| Tensile stress at break, 5mm/min     | 26    | MPa               | ISO 527-2/1A  |
| Flexural modulus, 23°C               | 3700  | MPa               | ISO 178       |
| Flexural strength, 23°C              | 46    | MPa               | ISO 178       |
| Charpy impact strength, 23°C         | 18    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, 23°C | 2     | kJ/m <sup>2</sup> | ISO 179/1eA   |

**Thermal properties**

| ISO                                     | Value | Unit  | Test Standard |
|-----------------------------------------|-------|-------|---------------|
| Melting point, peak                     | 164   | °C    | ISO 3146      |
| Vicat softening temperature, 50°C/h 50N | 93    | °C    | ISO 306       |
| Flammability @1.6mm nom. thickn.        | HB    | class | UL 94         |
| Flammability at thickness h             | HB    | class | UL 94         |
| thickness tested (h)                    | 3.20  | mm    | UL 94         |

**Typical injection moulding processing conditions**
**Pre Drying**

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

**Temperature**

|     | CavTemp | MTemp  | 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.

