

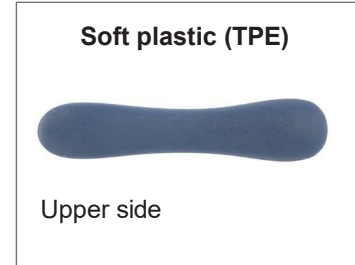
TECHNICAL DATA SHEET

# Thermoplastic Elastomer TPE

**General notes:**

- » **TPE** Olefinic Thermoplastic Elastomer, Permanent Antistatic
- » Soft Plastic, was developed in order to achieve a surface resistance  $10^8$ - $10^9$  Ohm in order to minimize the possibility of charge generation by wearing

- » **ESD Protection**



## Mechanical properties

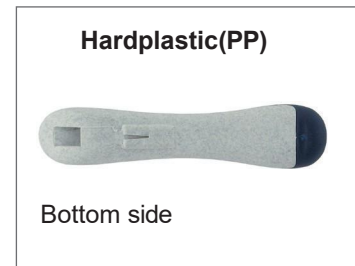
Tensile strength	<b>2 MPa</b>	ISO 527 ASTM D 638
Tensile elongation	<b>10 +%</b>	ISO 527 ASTM D 638
Hardness, Shore	<b>65-75 A</b>	D-785

# Polypropylen compound PP

**General notes:**

- » **PP** polypropylene-compound
- » Hard Plastic, its function is to ground the metal tool (through the operators hand and the ESD wrist strap)

- » **ESD Protection**



## Mechanical properties

Tensile strength at break (5mm/min)	<b>20 MPa</b>	ISO 527 ASTM D 638
Elongation at break (5mm/min)	<b>&gt;10%</b>	ISO 527 ASTM D 638
Tensile modulus +23°C	<b>1650 MPa</b>	ISO 527 ASTM D 638
Tensile strength +23°C	<b>190 MPa</b>	ISO 527 ASTM D 638
Izod-Impact strength (notched) +23°C	<b>13 kJ/m</b>	ISO 179/2C

## Thermal properties

Temp. of defl. under load (1.80 MPa)	<b>56 °C</b>	ISO 75 ASTM D 648
VICAT softening point B (49 N)	<b>70 °C</b>	ISO 306

## Other properties

Density	<b>0.97 g/cm<sup>3</sup></b>	ISO 1183
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This document contains information based on average values as obtained from the results of laboratory tests and observations made on the material. Ideal-tek SA declines all responsibility from an improper use of the product described in this document.