

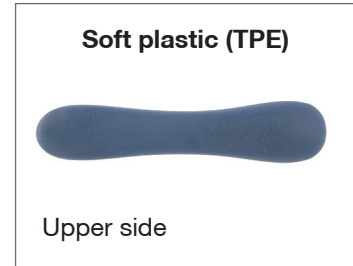
TECHNICAL DATA SHEET

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

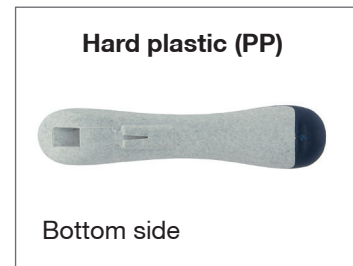
| | | |
|--------------------|----------------|--------------------|
| Tensile strength | 2 MPa | ISO 527 ASTM D 638 |
| Tensile elongation | 10 +% | ISO 527 ASTM D 638 |
| Hardness, Shore | 65-75 A | D-785 |

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

Thermal properties

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

Other properties

| | | |
|---------|-------------------|----------|
| Density | 0.97 g/cm³ | ISO 1183 |
|---------|-------------------|----------|

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.

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