

### **TECHNICAL DATA SHEET**

## Thermoplastic Elastomer TPE - ESD safe

### **General notes:**

- TPE Olefinic Thermoplastic Elastomer, Permanent Antistatic, ESD Protection
- Soft Plastic, was developed in order to achieve a surface resistance 108-109 Ohm in order to minimize the possibility of charge generation by wearing



### Mechanical properties

Tensile strength	2 MPa
Tensile elongation	10 +%
Hardness, Shore	65-75 A

ISO 527 ASTM D 638 ISO 527 ASTM D 638 D-785

# Polypropylen compound PP - ESD safe

#### **General notes:**

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



## 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/cm <sup>3</sup>	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.

