### 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 10<sup>8</sup>-10<sup>9</sup> Ohm in order to minimize the possibility of charge generation by wearing



## 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 - 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) Elongation at break (5mm/min) Tensile modulus +23°C Tensile strength +23°C Izod-Impact strength (notched) +23°C	20 MPa >10% 1650 MPa 190 MPa 13 kJ/m	ISO 527 ASTM D 638 ISO 527 ASTM D 638 ISO 527 ASTM D 638 ISO 527 ASTM D 638 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) Other properties	70 °C	ISO 306
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.

