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 | 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.

