Static Dissipative Ceramic Tweezers

Replaceable Tips

- Zirconia Toughened Alumina (ZTA).
- A superior combination of high strength (from zirconia) and high hardness (from alumina).
- No open porosity.
- Very hard surface, good abrasion and wear resistance.
- Good flexural strength and fracture toughness.
- Excellent thermal properties and high temperature stability.
- Extreme corrosion resistance, nearly chemically inert.
- ESD Safe static dissipative material.
- Typically applications includes handling of EOS/ESD sensitive components, handling of components during thermal, chemical and soldering processes. Generally used when very rigid tips are required.
- Recommended when handling class 0 components.

Thermal properties

Thermal conductivity	5 W/m·K
Coef. of lin. therm expansion	9.5 E-6/°C 25°C-1.000°C
Continuous Use Temperature	1400°C 20.000 h
Shock resistance, ΔT	325°C

Electrical properties

Surface resistivity	10^7-10^9 Ohm/sq.	100 V
Decay time	<0.5 sec	1.000-10V

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