

71MZ Ceramic tips Tweezers

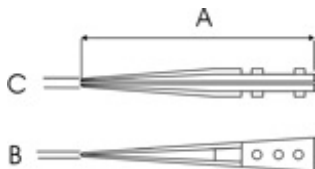


Fine tips

A 1.8" 45 mm

B 0.03" 0.7 mm

C 0.04" 0.9 mm



A71MZ

Replaceable tips set (2 tips with screws)

General Notes

- **Zirconia Toughened Alumina (ZTA)**
- a superior combination of high strength (from zirconia) and high hardness (from alumina)
- relatively low density
- 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
- electrically insulating
- typically applications includes soldering processes, handling of components during thermal and chemical processes. Generally used when very rigid tips are required

Mechanical properties

Flexural modulus	380 GPa
Flexural strength	500 MPa
Tensile strength	450 MPa
Fracture toughness	7.2 Mpa·m^{1/2}
Knoop Hardness	1750 kg/mm²

Thermal properties

Thermal conductivity	26 W/m·K	
Coef. of lin. therm expansionl	8.0 E-6/°C	<i>25-1000 °C</i>
Continuous Use Temperature	1400°C	<i>20'000 h</i>
Shock resistance, ΔT	325°C	

Electrical properties

Volume resistivity	>10 E12 Ohm·cm
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Other properties

Density	4.30 g/ccm
Open porosity	0.0%
Water absorption	0.0%
Color	white