

## Electronics

Tweezers  
AM High Precision Tweezers



4 3/4" 125 mm

Precision brass tweezers anti-sparking

AM.BR **Brass**

### General Notes

- **Brass** (CuZn37)
- copper-zinc alloy
- non-magnetizable
- good to excellent corrosion resistance; all copper alloys resist corrosion by fresh water and steam
- excellent cold workability (forming)
- generally it is utilized when high mechanical properties are not required
- typical applications include tweezers for handling scratch-sensitive mechanical parts, watch components, magnets

### Composition

Component	Wt. %	Component	Wt. %
Cu	63	Zn	37

## Mechanical properties

State	annealed
Density:	8.47 g/cm <sup>3</sup>
Hardness, Vickers:	200 HV
Tensile strength, ultimate:	600 MPa
Tensile strength, yield	262 MPa
Elongation, break	65
Modulus of elasticity	105 GPa

## Thermal properties

Coef. of lin. therm expansion:	20.3 E-6/°C	20°C-300°C
Thermal conductivity:	116W/(m·K)	

## Electrical properties

Resistivity	n/a
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Credits