

TECHNICAL SHEET

Cu48ZnNi10



Product name

Cu48ZnNi10

Class of product

Copper-Zinc brazing alloy

Corresponding standards

DIN8513 L-CuNi10Zn42

EN1044 CU 305

AWS A5.8-04 RBCuZn-D

Nominal composition (weight %)

Cu: 48

Zn: Bal

Ni: 10

Si: < 0,3

Physical characteristics

Melting range (Solids – Liquids): 890 – 920 °C

Density: 8,7 g/cm³

Tensile Strength: 54 kg / mm²

Range of application:

Cu48ZnNi10 (nickel silver) is a high strength, corrosion resistant brass brazing alloy with addition of nickel.

It is primarily used for joining of steel to steel or carbide to steel.

For brazing in oxidizing environment the use of a proper high-temp flux, as BR1 is necessary.

Because of the high zinc content it is recommended to keep the heating cycle to a minimum to prevent zinc vaporization.

Characteristics Make-up:

Rods: Ø 2,0 _ 4,0 mm Length: 500 / 1.000 mm

Flux Coated Rods: Ø 2,0 _ 3,0 mm

Wires: Ø 2,0 _ 6,0 mm (spooled and coiled)

Other dimensions are available upon request

The above data are subject to change without notice by Spring.

SPRING WELDING ALLOYS

Hangzhou City, Zhejiang, China

Phone – 0086-13588821060

info@springwelding.com - www.springwelding.com