

TECHNICAL SHEET



Ag72Zn

Product name

Ag72Zn

Class of product

Copper-free and Cadmium-free silver based brazing alloy

Corresponding standards

DIN8513 ---

EN1044 ---

AWS A5.8-04 ---

Nominal composition (weight %)

Ag: 72

Zn: 28

Physical characteristics

Melting range (Solids – Liquids): 710 - 730 °C

Brazing temperature: 730 °C

Density: 8,4 g/cm³

Range of application:

Ag72Zn is a cadmium-free and copper-free silver brazing alloy, with good flow properties.

It can be used to join ferrous and non-ferrous base metals, such as steel, copper, brass, etc.

Thanks to the absence of copper in the alloy, Ag72Zn is ideal for applications where copper is not a desired element and/or could be subject to corrosion effects such as in ammonia-bearing environments (all copper alloys are rapidly attacked and corroded by ammonia in moist conditions).

Brazing procedures range from manual to induction techniques.

When brazing in an oxidizing environment a proper flux should be used.

Typical applications are in the refrigeration field for the manufacturing of units that use ammonia as the refrigerating medium.

Characteristics Make-up:

Rods: Ø 1,5 – 2,0 mm Length: 500

Other dimensions and make-ups are available upon request

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

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