

TECHNICAL SHEET



Ag42Cd

Product name

Ag42Cd

Class of product

Silver based brazing alloy, cadmium bearing

Corresponding standards

DIN8513 ---

EN1044 AG 303

AWS A5.8-04 ---

Nominal composition (weight %)

Ag: 42

Cu: 17

Zn: 16

Cd: 25

Physical characteristics

Melting range (Solids – Liquids): 605 – 620 °C

Brazing temperature: 630 °C

Density: 9,4 g/cm³

Tensile Strength: 42 kg / mm²

Range of application:

Ag42Cd is a general purpose, cadmium-bearing, silver brazing alloy, with low melting point, very narrow melting range, and excellent flow properties.

It can be used to join ferrous, non ferrous and dissimilar metals and alloys, such as steel, copper, copper alloys, nickel, nickel alloys, with close joint clearances.

Thanks to its low melting point and fluidity properties, it is a very easy to use brazing alloy, and finds its application in numerous industrial sectors.

Brazing procedures range from manual to induction techniques.

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

Due to the content of Cadmium special safety precautions must be followed during brazing operations (e.g., avoid of overheating, use of mechanical ventilation, wear of respiratory masks).

Characteristics Make-up:

Rods: Ø 0,5 4,0 mm Length: 500 / 1.000 mm

Flux Coated Rods: Ø 1,5 3,0 mm

Wires: Ø 0,25 3,0 mm (spooled and coiled)

Strips: Thickness: 0,1 1 mm Width: 1,5 65 mm

Rings

Performs from Wire and from Strip

Pastes & Powders

Other dimensions are available upon request

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

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