

TECHNICAL SHEET



Ag38Sn

Product name

Ag38Sn

Class of product

Silver based brazing alloy, cadmium-free

Corresponding standards

DIN8513 ----

EN1044 ----

AWS A5.8-04 BAg-34

Nominal composition(weight%)

Ag: 38

Cu: 31

Zn: 29

Sn: 2

Physical characteristics

Melting range (Solids – Liquids): 660 – 720 °C

Brazing temperature: 730 °C

Density: 9,1 g/cm³

Tensile Strength: 45 kg / mm²

Rang of application:

Ag38Sn is a cadmium-free silver brazing alloy.

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

Brazing procedures range from manual to induction techniques.

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

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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