

TECHNICAL SHEET



Ag45Cd

Product name

Ag45Cd

Class of product

Silver based brazing alloy, cadmium bearing

Corresponding standards

DIN8513 L-Ag45Cd

EN1044 AG 302

AWS A5.8-04 BAg-1

Nominal composition (weight %)

Ag: 45

Cu: 15

Zn: 16

Cd: 24

Physical characteristics

Melting range (Solids – Liquids): 605 – 630 °C

Brazing temperature: 625 – 650 °C

Density: 9,4 g/cm³

Tensile Strength: 43 kg / mm²

Range of application:

Ag45Cd is a general purpose, cadmium-bearing, silver brazing alloy, with low melting point, narrow melting range, and very good 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.

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.

SPRING WELDING ALLOYS

Hangzhou City, Zhejiang, China

Phone – 0086-13588821060

info@springwelding.com - www.springwelding.com