

TECHNICAL SHEET

Ag40Cd

Product name

Ag40Cd

Class of product

Silver based brazing alloy, cadmium bearing

Corresponding standards

DIN8513 L-Ag40Cd
EN1044 AG 304
AWS A5.8-04

Nominal composition (weight %)

Ag: 40
Cu: 19
Zn: 21
Cd: 20

Physical characteristics

Melting range (Solidus – Liquidus): 595 – 630 °C
Brazing temperature: 615 – 650 °C
Density: 9,3 g/cm³
Tensile Strength: 42 kg / mm²

Range of application:

Ag40Cd is a general purpose, cadmium-bearing, silver brazing alloy, with very low melting point, 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 among the most easy-to-use cadmium-bearing silver 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		
Preforms from Wire and from Strip		
Pastes & Powders		

Other dimensions are available upon request

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