

# TECHNICAL SHEET



## Ag10Sn

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### Product name

Ag10Sn

### Class of product

Silver-Tin Soldering Alloy

### Corresponding standards

DIN EN ISO 3677 S-Sn90Ag10

### Nominal composition (weight %)

Ag: 10

Sn: 90

### Physical characteristics

Melting range (Solids – Liquids): 221 - 300 °C

Density: 7,5 g/cm<sup>3</sup>

### Range of application:

Ag10Sn is a silver-tin, lead-free, soft-soldering alloy, with good high-temperature resistance. It can be used to join the following base metals: steel, stainless steel, nickel and nickel alloys, copper and copper alloys, brass.

Typical soldering processes include flame and induction.

The product should be used in conjunction with a proper flux.

Applications of Ag10Sn are to be found in the following sectors: electrotechnic, fine mechanic, measurement and regulating devices, silverware and jewellery, etc.

Being lead-free and cadmium-free, Ag10Sn is a RoHS Directive (2002/95/CE) compliant alloy and is suitable for use in sanitary applications as well as for potable water and alimentary products.

It is also suitable for step-soldering.

### Characteristics Make-up:

Solid Wires: Ø 0,5 \_ 10,0 mm

Flux cored Wires: Ø 0,8 \_ 3,0 mm

Cast ingots

Bars

Sticks

Strips

Powder & Paste

Rings and Performs from wire and from strip

Other dimensions are available upon request

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

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