

Lastek B3045 V

Flux coated cadmium free silver brazing, general purpose

CLASSIFICATION

EN ISO 17672 : AG 145

EN 1044 : AG 104

GENERAL DESCRIPTION

Flux coated, cadmium free silver alloy, high silver content, for capillary brazing. Excellent flowing characteristics and capillarity. Low melting point, for general use.

For joining copper and copper alloys, nickel and nickel alloys, malleable cast iron and steel. Thanks to the low melting point very suitable for brazing of dissimilar metals. High corrosion resistance and seawater resistant.

Operating temperature, up to about 200 °C. // Melting range: 640-680 °C. (working temperature 670 °C).

Lastek B3045V is cadmium free and applies to the European RoHS guideline and the European cadmium guideline.

APPLICATIONS

Machine parts for food, beverage, dairy and pharmaceutical industries.

Plumbing, piping, air treatment and conditioning.

Automotive and electrical and electronics industry.

Cookware.

CHEMICAL COMPOSITION (%) (Typical values, all weld metal)

Cu : 26.00 - 28.00	Ag : 44.00 - 46.00	Zn : 23.50 - 27.50	Sn : 2.00 - 3.00	
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MECHANICAL PROPERTIES (Typical values, all weld metal)

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation 5d (%)	Impact Strength Charpy V notch (ISO-V)
NPD	350 - 450 MPa	NPD	NPD

GENERAL INFORMATION

Welding positions PA, PB

Shielding gas NA

Packing 1 kg in a cardboard box

Polarity NA

Diameter (mm) 1.5 2.0 3.0

Lenght (mm) 500 500 500

Tips & tricks

Joint preparation: optimum clearances 0.05 to 0.15 mm.

Preheat the work piece slightly with neutral flame.

Rub the coated rod along the joint to apply the flux. As soon as the flux is flowing, melt the rod. Continue heating until the alloy flows into the entire joint by capillarity.

Cool down and remove flux residues by brushing with hot water.

The information in this document is based on intensive tests and is accurate to the best of our knowledge. Do note that these values are only typical values for tests in accordance to prescribed standards. The suitability of the product should always be confirmed by qualification tests before use in any application. The information can be changed without previous notice.