



Technical Data Sheet BrazeTec CoMet 3476U



TD TM-BT 0405 E.00

Inhalt

Standard

Brazing Alloy:
DIN EN ISO 17672 Ag 134
(DIN EN 1044) (AG 106)
Flux:
DIN EN 1045 FH10

Brazing Alloy

Nominal composition [wt.-%] Ag 34; Cu 36; Zn 27.5; Sn 2.5
Permitted impurities max. [wt.-%] Al 0.001; Bi 0.030; Cd 0.010; P 0.008; Pb 0.025; Si 0.05
Max. impurities [wt.-%] 0.15

Technical data

Melting range approx. 630 - 730 °C
Working temperature approx. 710 °C
Density approx. 9.0 g/cm³
Tensile strength acc. DIN EN 12797 with S235: 360 MPa; with E295: 480 MPa
Elongation approx. 12 %
Electrical Conductivity approx. 14.0 m/Ωmm²
Operating temp. of brazed joint approx. -200 °C to +200 °C (without loss in strength)

Standard delivery forms*

Rods: 1.5 - 2.0 mm Ø, 500 mm length

*Other delivery forms upon request

Applications

BrazeTec CoMet 3476U is a low melting silver based brazing alloy with excellent flow characteristics. It can be used for brazing any steels, copper and copper based alloys as well as for nickel and nickel based alloys. It can be used for flame or induction brazing procedures. BrazeTec CoMet 3476U meets the requirements of the working sheet "GW2" and "GW 7" of DVGW (German association of Gas and Water).

Typical applications are found e.g. in the plumbing trade, in the refrigeration and air conditioning industry, automotive and in the electric industry.

Note for user: The flux residues are corrosive and have to be removed

Details in product brochures or other advertisements about our products, equipment, plant and processes are based on our research and our experience in the field of applied engineering and are merely recommendations. It is not possible to infer any warranted qualities or warranted use from these details, unless they were expressly agreed as a warranted quality. We reserve the right to make technical modifications in the course of our product development.

The user must verify the suitability of our products and processes for the use or application intended by him on his own responsibility. This shall also apply to the protection of third party property rights as well as to applications and processes. The properties of samples and specimens are binding only if these have been expressly agreed to define the quality of the goods. Information on the quality and durability and other particulars are warranted only if these are agreed and designated as such. The specifications agreed with the user/purchaser in writing are relevant for the quality of the goods and if specifications have not been agreed in writing, the information contained in our technical data sheets, specifications or drawings.

Any additional or diverging agreements on the quality must be in writing. Any suitability of the product for the presupposed or customary use which supplements or diverges from the agreed quality is out of the question. Our General Conditions of Sale and Delivery shall apply; the current version is available at <http://www.UMICORE.de/service/agbs/agbs.htm>.