TECHNICAL DATA SHEET

TERNALLOY 467

Brazing alloys, Cadmium Free

EN ISO 17672:2016 -
AWS A5.8-92 -
ISO 3677:1997 B-Ag67CuZn-670/720
DIN 8513
(EN 1044:1999)

Nominal Composition [%]

Ag	Cu	Zn	Sn	Si	Mn	Ni
67	19,5	13,5	-	-	-	-

Technical Data

Melting Point c.a. 670 - 720 °C
Working Temperature C.A. 680 °C
Density c.a. 9,6 gr/cm3
Tensile strength 9999
Elongation c.a 20%
Electrycal Conductivity approx. 21,3 m/Omm2
Operating temp. of brazed joint

Applications

Ternalloy 467 is an alloy used primarly for joining of sterling silver. Ternalloy 467 has a good flow for good filling of fitted joints. the wetting action is relatively poor on non ferrous metals. Sometimes it is used to join copper and copper alloys which will be drawn or worked after brazing. It is suggested to provide a close color match with sterling silver. Ternalloy 467 is suggested in step brazing (step brazing is brazing sequence of joints on one assembly using lower brazing tempearuture for each step to avoid remelting already completed joints). It is suitable for longer heating cycles (i.e. furnace brazing) because of the low zinc content of this kind of silversmith alloy. Ternalloy has a good ductility.

Suggested Flux

Base Metals

Silver and its alloys. Copper and its alloys

Heat Sources

Furnace

Bare rods	Fluxcoated	Wire < Ø 1,0	Wire > Ø 1,0	Foil	Preforms	Paste
X	-	-	X	-	0	-

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