

## TECHNICAL DATA SHEET

# TERNALLOY 6030

## Brazing alloys, Cadmium Free

EN ISO 17672:2016	Ag 160
AWS A5.8-92	B-Ag-18
ISO 3677:1997	B-Ag60CuSn-600/730
DIN 8513	L-Ag60Sn
(EN 1044:1999)	AG 402

### Nominal Composition [%]

Ag	Cu	Zn	Sn	Si	Mn	Ni
60	30	-	10	-	-	-

### Technical Data

<b>Melting Point</b>	c.a. 600 - 730° C
<b>Working Temperature</b>	c.a. 720° C
<b>Density</b>	c.a. 9,6 gr/cm <sup>3</sup>
<b>Tensile strength</b>	-
<b>Elongation</b>	n.a.
<b>Electrical Conductivity</b>	n.a.
<b>Operating temp. of brazed joint</b>	± 200 °C

### Applications

Ternalloy 6030 is a zinc-free high silver content alloy with good penetration characteristics. It is mainly used for brazing in a protected atmosphere oven due to the absence of Zinc (and other elements with high evaporation). To avoid the evaporation of the silver, when using it in a vacuum oven it is recommended not to exceed the temperature of 900 ° C by much. If used in an oxidizing atmosphere, it is necessary to use a specific flux.

It is widely used for brazing stainless steel joints, when the working environment is characterized by humidity or the operating conditions are in contact with liquids (for example in sea water). Typical applications are found eg. in the electricity and air conditioning sector.

### Suggested Flux

### Base Metals

Used for joints in steel, stainless steel, copper, copper alloys, nickel and nickel alloys.

### Heat Sources

It can be used for brazing with flame or induction brazing processes

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