TECHNICAL DATA SHEET

TERNALLOY 40

Brazing alloys, Cadmium Free

EN ISO 17672:2016	Ag 140
AWS A5.8-92	B-Ag28
ISO 3677:1997	B-Ag40CuZnSn-650/710
DIN 8513	*L-Ag40Sn*
(EN 1044:1999)	*Ag 105*

Nominal Composition [%]

Ag	Cu	Zn	Sn	Si	Mn	Ni
40	30	28	2	-	-	-

Technical Data

Melting Point	c.a. 650-710 °C
Working Temperature	c.a. 690 °C
Density	c.a. 9,1 gr/cm3
Tensile strength	350 Mpa
Elongation	25%
Electrycal Conductivity	n.a.
Operating temp. of brazed joint	

Applications

This is is a low melting silver brazing alloy with very good flow characteristics.
It is used for joining copper and copper alloy, nickel and nickel alloy, almost any steel.
Typical applications are in automotive and in the electric industry.

Suggested Flux

F62 e F16

Base Metals

Any steel, copper and copper alloy, nickel and nickel alloy.

Heat Sources

It can be used for flame or induction brazing procedures.

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