

TECHNICAL DATA SHEET

TERNALLOY 45T

Nominal Composition [%]	Ag 40; Cu 30; Zn 28; Sn 2; Si 0,05
Impurity max. %	Al 0,001; Bi 0,030; P 0,008; Pb 0,025
Total of all impurities [%]	0,15

International Specification

EN ISO 17672:2010	Ag 140
AWS A5.8-92	BAG-28
DIN 8513	(L-Ag40Sn)
(EN 1044:1999)	(AG 105)

Sald-Flux Specification (SF)

AWS A5.8-92 **SF-W7400**

Technical Data

Melting Point	c.a. 650 - 710 °C
Working Temperature	c.a. 690 °C
Density	c.a. 9,1 gr/cm ³
Tensile strength	430 Mpa
Elongation	25%

Electrical Conductivity

Available Forms

Wire: from Ø 0,5 mm to Ø 5,0 mm.

Bare Rods: from Ø 0,7 mm to Ø 3,0 mm.

Strip/Foils: from 0,1 mm to Ø 0.4 mm (Thickness) - from 2 to 40 mm (width).

Preforms: upon request according to customer specification.

Applications

TERNALLOY 45T is a low melting silver brazing alloy with very good flow characteristics. It is used for joining copper and copper alloys, nickel and nickel alloys, almost any steels. It can be used for flame or induction brazing procedures. Typical applications are in automotive and in the electric industry.