

## TECHNICAL DATA SHEET

### TERNALLOY 45T

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

#### International Specification

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

#### Sald-Flux Specification (SF)

**AWS A5.8-92**      **SF-W7400**

#### Technical Data

<b>Melting Point</b>	c.a. 650 - 710 °C
<b>Working Temperature</b>	c.a. 690 °C
<b>Density</b>	c.a. 9,1 gr/cm3
<b>Tensile strength</b>	430 Mpa
<b>Elongation</b>	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.