

◆ INTRODUCTION

Aufhauser Silver Alloy A-56T, a cadmium free alternative for Silver Alloy 45FC, is low melting with good flow and wetting properties. It is used where cadmium must be avoided, to minimize corrosion cracking of nickel or nickel base alloys at low brazing temperatures and where the white color will improve color match with the base metal.

◆ APPLICATIONS

- Aufhauser A-56T is used for joining most ferrous, non-ferrous as well as dissimilar metals and alloys with close joint clearances.

◆ CHEMICAL COMPOSITION

Silver	Copper	Zinc	Tin
55.0-57.0	21.0-23.0	15.0-19.0	4.5-5.5

◆ PHYSICAL and MECHANICAL PROPERTIES

Solidus:	1145 °F
Liquidus:	1205 °F
Braze Range:	1205-1400 °F
Specific Gravity:	9.49
Density:	4.96 TO/Cu.In.
Electrical Conductivity:	11.9 %IACS
Electrical Resistivity:	14.5 µohm0cm
Color, as brazed:	White



◆ SPECIFICATIONS MEET or EXCEED

- AWS A5.8 BAg-7
- AMS 4763
- ASME BAg-7
- QQ-B-654A BAg-7
- ISO 3677: B Ag 56 Cu Zn Sn 620-650
- BS 1845 Ag20
- NFA 81-362, 56 A1

◆ STANDARD SIZES AND DIAMETERS

- Diameters: 1/32", 3/64", 1/16", 3/32", 1/8"
- Sizes: 1, 3, 5, or 50 troy ounce

◆ ADDITIONAL INFORMATION

Operating temperature for SilverAlloy A-56T is up to 400°F in continuous service and up to 600°F in intermittent service. Where improved corrosion resistance is needed, SilverAlloy Cd-50Ni3 and SilverAlloy A-40Ni2 are recommended over silver base filler metals not containing nickel.