

SilverAlloy A-25

◆ INTRODUCTION

SilverAlloy A-25 is an economical high-temperature filler metal for ferrous and nonferrous joints not requiring high ductility or impact strength.

◆ APPLICATIONS

SilverAlloy A-25 is similar to SilverAlloy A-40, however flow is less active and temperature range and brazing temperatures are greater. A-25 alloy tends to liquefy if heated slowly; therefore rapid heating is recommended. Since this alloy is not ductile during cooling, after brazing it must be allowed to cool without being subjected to mechanical or thermal stress.

◆ CHEMICAL COMPOSITION

<u>Silver</u>	<u>Copper</u>	<u>Zinc</u>	<u>Total other</u>
25.0%	52.5%	22.5%	0.15% max

◆ PHYSICAL and MECHANICAL PROPERTIES

Solidus	1250 °F (677 °C)
Liquidus	1575 °F (857 °C)
Brazing Range	1575-1675 °F (857-913 °C)
Specific Gravity	8.95
Density	4.71 TO/cu. in.
Electrical Conductivity	24.4 %IACS



◆ SPECIFICATIONS MEET or EXCEED

- GE B50T1400 (*Chemical analysis testing available)

◆ AVAILABLE FORMS

- Powder/Paste
- Wire, Rods, Foil
- Specialty preforms per customer specifications

◆ STANDARD ROD SIZES AND DIAMETERS

- Diameters: 1/32", 3/64", 1/16", 3/32", 1/8"
- Sizes: 1, 3, 5, or 50 troy ounces
- Lengths: 18, 20, or 36 inches