



235 Kilvert Street
Warwick, RI 02886

A World-Class Quality Partner
ISO 9001:2008
Registered

PRODUCT: SILVALOY® A25

NOMINAL COMPOSITION:

Silver	25.0 wt%
Copper	52.5 wt%
Zinc	22.5 wt%
Total Other Elements	0.15 wt% Max

PHYSICAL CONSTANTS:

Solidus	1250°F (675°C)
Liquidus	1575°F (855°C)
Brazing Range	1575–1675°F (855-912°C)
Specific Gravity	8.95
Density (T.oz./cu in)	4.71
Electrical Conductivity (%IACS)	24.4

APPLICATIONS:

SILVALOY A25 is an economical high temperature filler metal for ferrous and nonferrous joints not requiring high ductility or impact strength. It is similar to **SILVALOY® A40**, however flow is less active and temperature range and brazing temperatures are greater. This alloy tends to liquate 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.

SPECIFICATIONS:

N/A

AVAILABLE FORMS:

Standard form of **SILVALOY A25** is wire.



PRODUCT: SILVALOY[®] A25 - CONTINUED

SAFETY INFORMATION:

It is essential that adequate ventilation be provided so that personnel will not inhale gases and fumes while brazing. The operation and maintenance of brazing equipment or facility should conform to the provisions of ANSI Z49.1, "Safety in Welding and Cutting". For more complete information, refer to the Material Safety Data Sheet for **SILVALOY A25**.

LIABILITY-DISCLAIMER:

Wolverine Joining Technologies, LLC, seeks to represent reliable information concerning the composition, properties and use of its products. The technical information provided in this publication is provided at no charge and is without guarantee, warranty or responsibility of any kind, expressed or implied.

Wolverine Joining Technologies, LLC
235 Kilvert Street
Warwick, RI 02886
401-739-9550/fax 401-739-9555
www.silvaloy.com