



235 Kilvert Street
Warwick, RI 02886

A World-Class Quality Partner
ISO 9001:2000
Certified

PRODUCT: **SILVALOY[®] B72**
(AWS BAg-8)

COMPOSITION:

Silver	72.0 %
Copper	Balance
Total Other Elements	0.15% Max.

MATERIAL PROPERTIES:

Solidus	1435° F (779°C)
Liquidus	1435° F (779°C)
Brazing Range	1435-1650° F (779-899°C)
Specific Gravity	10.009
Density (toz/cu in)	5.275
Electrical Conductivity (% IACS)	87.0
Electrical Resistivity (Michroh-m-cm)	2.00
Color	White

DESCRIPTION:

SILVALOY B72 is the eutectic composition of the silver-copper system. It is suitable for use in controlled atmosphere brazing without the use of any flux. When molten, **SILVALOY B72** is very fluid and may flow out over the work surfaces during some furnace brazing applications. The wetting action on ferrous metals is limited, minimizing its use on carbon steel. Improved wetting is observed when furnace brazing of stainless steel with silver-copper filler metals.

APPLICATIONS:

Typical applications are the joining of stainless steels, nonferrous (mostly copper and nickel alloys), and dissimilar metals. **SILVALOY B72** should be used on setups with close joint clearances because it is a eutectic alloy, and very fluid.

