



235 Kilvert Street
Warwick, RI 02886

A World-Class Quality Partner
ISO 9001:2008
Registered

PRODUCT: **SILVALOY® A20**

COMPOSITION:

Silver	20 wt%
Copper	45 wt%
Zinc	35 wt%

MATERIAL PROPERTIES:

Solidus	1315°F
Liquidus	1500°F
Brazing Range	1500–1600°F
Specific Gravity	8.446
Density (toz/cu. in)	4.451

DESCRIPTION:

SILVALOY A20 can be used in a wide variety of applications but is infrequently used because of its relatively high melting point. It is an excellent choice when simultaneously brazing and heat treating carbon steel because of the close temperature match. It is also widely used on yellow brass assemblies because of the close color match. Generally, the joint strength using **SILVALOY A20** will surpass the strengths of the base metals. **SILVALOY A20** is most effective when used together with Wolverine Ultra Flux. The recommended maximum operating temperature for **SILVALOY A20** is up to 300°F in continuous service and up to 500°F in intermittent service.

SPECIFICATIONS:

There are no industrial specifications applicable to **SILVALOY A20**.

AVAILABLE FORMS:

Standard forms of **SILVALOY A20** are wire and rings.



PRODUCT: SILVALOY® A20 - 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 A20**.

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