



Aufhauser
Corporation
39 West Mall
Plainview, NY 11803
Telephone:
516-694-8696
800-645-9486
Fax: 212-246-0158
sales@brazing.com

SilverAlloy A-44Ti-Active

Introduction

Aufhauser SilverAlloy A-44Ti-Active is an active, brazing alloy that promotes wetting and good capillary action on several surfaces that would otherwise be difficult to join by brazing. The active components of this alloy promote wetting on, for example, ceramics, aluminum oxides (sapphire), diamond.

Applications

Brazing with Aufhauser SilverAlloy A-44Ti-Active provides a reliable method of bonding ceramics to any metals (including stainless steels).

Nominal Composition

Ag %	Cu %	In %	Ti %
43.6	29.1	24.3	3.0

Physical Properties *

Parameter	In US units	In metric units
Solidus temperature	1119 °F	604 °C
Liquidus temperature	1134 °F	612 °C
Recommended brazing temperature	1234 – 1284 °F	668 – 696 °C
Recommended brazing atmosphere	10 ⁻⁵ mm Hg vacuum or inert gas	10 ⁻⁵ mm Hg vacuum or inert gas
Density	0.317 Lb/in ³	8.75 g/cm ³

* The above properties apply to the alloy before it is used in the brazing process.

Supplied forms: foil, wire, paste.