Silvaloy 697 (VTG) can be used in all types of moderate temperature vacuum systems in particular brazing of the vacuum tube assemblies in a one step braze process. This alloy is generally used to braze copper, nickel, copper-nickel alloys and stainless steel alloys in a vacuum environment without the necessity of plating of stainless steel substrates.

**Brazing Characteristics**

Silvaloy 697 is a modified silver-copper eutectic filler metal with small additions of cobalt and germanium. On either silver, nickel, or copper base alloys Silvaloy 697 may exhibit a decrease in fluidity and an increase in remelt temperature, after brazing if some solution of base metal occurs in the filler metal. The properties of a brazed joint are dependent upon numerous factors including base metal properties, joint design, metallurgical interaction between the base metal and the filler metal.

**Available Forms**

Wire, strip, engineered preforms, specialty preforms per customer specification.
SPECIFICATIONS
Silvaloy 697 (VTG) conforms to the following specifications: N/A

APPLICABLE PRODUCT CODE(S)
The applicable Lucas-Milhaupt product code(s) for this technical data sheet: A00000307, Legacy Code: 27-697.

SAFETY INFORMATION
The operation and maintenance of brazing equipment or facility should conform to the provisions of American National Standard (ANSI) Z49.1, "Safety in Welding and Cutting". For more complete information refer to the Material Safety Data Sheet for Silvaloy 697 (VTG).

WARRANTY CLAUSE
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