

PREMABRAZE® 286

NOMINAL COMPOSITION

Silver	Remainder
Nickel	14.0% - 16.0%
Zinc	0.01% Max
Cadmium	0.005% Max
Iron	0.01% Max
Lead	0.01% Max
Phosphorous	0.01% Max
Bismuth	0.003% Max
Aluminum	0.005% Max
Total all impurity elements	0.2% Max

PHYSICAL PROPERTIES

Color	Silver White
Melting Point (Solidus)	1760°F (960°C)
Flow Point (Liquidus)	2615°F (1435°C)
Density (Troy oz/in ³)	5.27
Electrical Conductivity (%IACS) ⁽²⁾	N/A
Electrical Resistivity (Microhm-cm)	N/A

⁽²⁾ IACS = International Annealed Copper Standard

PRODUCT USES

Premabraze 286 is high durability nickel-silver alloy that provides excellent conductivity properties. It is used most commonly in the electrical contacts industry where improved electrical properties and low contact resistance are required. It also provides improved wear resistance and corrosion resistance

AVAILABLE FORMS

Strip

SPECIFICATIONS

Premabraze 286 alloy conforms to the following specifications: N/A

APPLICABLE PRODUCT CODE(S)

The applicable Lucas-Milhaupt product code(s) for Premabraze 286: 69-286.

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 Premabraze 286.

WARRANTY CLAUSE

Lucas-Milhaupt, Inc. believes the information contained herein to be reliable. However, the information is given by Lucas-Milhaupt, Inc. without charge and the user shall use such information at its own discretion and risk. This



Technical Data Sheet

information is provided on an "AS IS" AND "AS AVAILABLE" basis and Lucas-Milhaupt, Inc. specifically disclaims warranties of any kind, either express or implied, including, but not limited to, warranties of title or implied warranties of merchantability or fitness for a particular purpose. No oral advice or written or electronically delivered information given by Lucas-Milhaupt, Inc. or any of its officers, directors, employees, or agents shall create any warranty. Lucas-Milhaupt, Inc. assumes no responsibility for results obtained or damages incurred from the use of such information in whole or in part.