

# WESGO

### Data Sheet



## Description:

High-purity gold and nickel alloy for vacuum brazing. Nominal composition by weight: **73.8% Au** and **26.2% Ni** 

#### Prime features:

- Excellent flow on SS and superalloy for loose tolerances
- Excellent resistance to oxidation
- Excellent strength and ductility

Suggested base materials:

 Kovar, Copper, Carbon/low alloys & Tool/high speed steel, Stainless steel, Nickel, Ni-super alloys, Refractory metals

### **Physical Properties\***

# Typical applications:

- Aero-engines (OEM and repair)
- Aerospace fuel-line assemblies
- Vacuum tubes
- Wave guide and Klystron assemblies
- Power supply surge arrestors
- . Automotive components

1010 °C
1850 °F
980 °C
I 796 °F
10 <sup>-5</sup> mm Hg, H <sub>2</sub> , or inert gas

\* Please note that all values quoted are based on test pieces and may vary according to component design. These values are not guaranteed in any way and should only be treated as indicative values. They should be used for guidance only and for no other purpose whatsoever.

### **Impurity Limits**

Zn

Cd

Рb

Р

С

less than 0.001%

less than 0.001%

less than 0.002%

less than 0.002%

less than 0.01%

#### Supplied as:

- Foil
- Flexibraze
- Wire
- Powder
- Extrudable paste
- Preforms

The determination as to the adaptability of any Wesgo materials to the specific needs of the Buyer is solely the Buyer's prerogative and responsibility. All technical information, data and recommendations are based on tests and accumulated experience data, which Wesgo believed to be reliable. However, the accuracy and completeness thereof are not guaranteed.

All other metallic impurities having a vapor

pressure higher than 10<sup>-7</sup> mm Hg at 500 °C are

pressure lower than 10<sup>-7</sup> mm Hg at 500 °C are

limited to a total of 0.075%. (This applies to all

forms except powder and extrudable paste.)

limited to 0.002% each. Impurities having a vapor



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