

**TECHNICAL DATA SHEET**

**BRAZE 560**

**Nominal Composition:** Silver: 56.0% ± 1.0%  
 Copper: 22.0% ± 1.0%  
 Zinc: 17.0% ± 2.0%  
 Tin: 8.0% ± 0.5%  
 All Others: 0.15% maximum

**Physical Properties:** Colour: White  
 Solidus (Melting Point): 620°C (1145°F)  
 Liquidus (Flow Point) 650°C (1205°F)  
 Specific Gravity 9.42  
 Density (Troy oz/cu in) 4.96  
 Electrical Conductivity (%IACS) 8.32  
 Electrical Resistivity (Microohm-cm) 20.75

**Uses:** Braze 560 is a silver-based brazing alloy used for ferrous and non-ferrous alloys in joints requiring a low temperature, cadmium-free alloy, as in food handling equipment. For improved corrosion resistance in joints on stainless steel, use alloys containing small amounts of nickel, such as Braze 630 or Braze 505.

**Brazing Characteristics:** Braze 560 is a low temperature, free-flowing brazing filler metal with a slight tendency to liquate (i.e. separate into low and high melting constituents) if heated slowly through its melting range.

**Properties of Brazed Joints:** Butt joints have been brazed and tested for tensile strength at room temperature, on the listed metals, with the following results:

	Tensile Strength psi
Copper	25,000-30,000
Brass	30,000-40,000
Low Carbon Steel	40,000-50,000

**Specifications:** This alloy conforms to the following specifications:  
 AWS A5.8-04 BAg-7  
 ASME Boiler & Pressure Vessel Code, SecII-C BAg-7

**Available Forms:** Strip, wire, powder and performs to specification.

**Comments:** Handy & Harman of Canada, Limited believes the information contained herein to be reliable. However, the technical information is given by Handy & Harman of Canada, Limited without charge and the user shall employ such information at its own discretion and risk, and Handy & Harman of Canada, Limited assumes no responsibility for results obtained or damages incurred from the use of such information in whole or in part.