

## Lucas-Milhaupt BRAZE 560

Category : Metal , Nonferrous Metal , Precious Metal , Silver Alloy , Solder/Braze Alloy

### Material Notes:

**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. **Applications:** 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.

**Specifications:** This alloy conforms to the following specifications-AWS A5.8 BAg-7, ASME Boiler & Pressure Vessel Code Sec. II C SFA-5.8 BAg-7, SAE AMS 4763 Information provided by Lucas-Milhaupt, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lucas-Milhaupt-BRAZE-560.php](http://www.lookpolymers.com/polymer_Lucas-Milhaupt-BRAZE-560.php)

Physical Properties	Metric	English	Comments
Density	9.42 g/cc	0.340 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	172 - 207 MPa	25000 - 30000 psi	Copper butt joint
	207 - 276 MPa	30000 - 40000 psi	Brass butt joint
	276 - 345 MPa	40000 - 50000 psi	Low Carbon Steel butt joint

Thermal Properties	Metric	English	Comments
Melting Point	618.3 - 651.7 °C	1145 - 1205 °F	
Solidus	618.3 °C	1145 °F	Melting Point
Liquidus	651.7 °C	1205 °F	Flow Point

Component Elements Properties	Metric	English	Comments
Copper, Cu	21 - 23 %	21 - 23 %	
Other, total	<= 0.15 %	<= 0.15 %	
Silver, Ag	55 - 57 %	55 - 57 %	
Tin, Sn	4.5 - 5.5 %	4.5 - 5.5 %	
Zinc, Zn	15 - 19 %	15 - 19 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00002075 ohm-cm	0.00002075 ohm-cm	

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Electrical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		White	

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## Contact Songhan Plastic Technology Co.,Ltd.

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