

## Lucas-Milhaupt AL 718 Aluminum Brazing Filler Metal

Category : Metal , Nonferrous Metal , Aluminum Alloy , Solder/Braze Alloy

### Material Notes:

**Applications:**AL 718 filler metal is generally used to join aluminum and aluminum alloys. It can be used to join titanium or aluminum to dissimilar metals. When joining to dissimilar metals thought should be given to the galvanic potential between the metals to avoid corrosion problems. **AL718 offers excellent corrosion resistance when joining aluminum base metals.** **Characteristics:**AL 718 is a general purpose free flowing brazing filler metal for use with all brazeable aluminums in all types of brazing processes. **Specifications:** AL 718 meets the requirements for the following specifications- Aluminum Association (AA) 4047, American Welding Society (AWS) A5.8 BAISi-4, Aerospace Material Specification (AMS) 4185 Information provided by Lucas-Milhaupt, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lucas-Milhaupt-AL-718-Aluminum-Brazing-Filler-Metal.php](http://www.lookpolymers.com/polymer_Lucas-Milhaupt-AL-718-Aluminum-Brazing-Filler-Metal.php)

Physical Properties	Metric	English	Comments
Density	2.66 g/cc	0.0961 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
Melting Point	577 - 582 Â°C	1070 - 1080 Â°F	
Solidus	577 Â°C	1070 Â°F	Melting Point
Liquidus	582 Â°C	1080 Â°F	Flow Point

Component Elements Properties	Metric	English	Comments
Aluminum, Al	>= 85.3 %	>= 85.3 %	
Copper, Cu	<= 0.30 %	<= 0.30 %	
Iron, Fe	<= 0.80 %	<= 0.80 %	
Magnesium, Mg	<= 0.10 %	<= 0.10 %	
Manganese, Mn	<= 0.15 %	<= 0.15 %	
Other, each	<= 0.050 %	<= 0.050 %	
Other, total	0.15 %	0.15 %	
Silicon, Si	11 - 13 %	11 - 13 %	
Zinc, Zn	<= 0.20 %	<= 0.20 %	

Processing Properties	Metric	English	Comments
Processing Temperature	582 - 604 Â°C	1080 - 1120 Â°F	Brazing Range

Descriptive Properties	Value	Comments
Color	Grayish-White	

## Contact Songhan Plastic Technology Co.,Ltd.

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