

## Lucas-Milhaupt AL 719 Aluminum Brazing Filler Metal

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

### Material Notes:

**Applications:**AL 719 filler metal is generally used to join aluminum and aluminum alloys. It has been used to join castings and otherwise unbrazable aluminums. Care must be taken to be sure that the heat treatment (if any) is compatible with the brazing materials and process. Because of this high alloy content of AL 719, the corrosion resistance is not as good as other aluminum filler metals.

**Characteristics:**AL 719 is a filler metal for use with brazeable aluminums where a flux process is used. Because of its high zinc content this material is not recommended for vacuum brazing. To prevent liquation, it is recommended that the parts be heated rapidly thru the solidus-liquidus temperature range. **Specifications:** AL 719 meets the requirements for the following specifications-Aluminum Association (AA)

4245 Information provided by Lucas-Milhaupt, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lucas-Milhaupt-AL-719-Aluminum-Brazing-Filler-Metal.php](http://www.lookpolymers.com/polymer_Lucas-Milhaupt-AL-719-Aluminum-Brazing-Filler-Metal.php)

Physical Properties	Metric	English	Comments
Density	2.91 g/cc	0.105 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
Melting Point	516 - 560 Â°C	960 - 1040 Â°F	
Solidus	516 Â°C	960 Â°F	Melting Point
Liquidus	560 Â°C	1040 Â°F	Flow Point

Component Elements Properties	Metric	English	Comments
Aluminum, Al	>= 72.74 %	>= 72.74 %	
Chromium, Cr	<= 0.070 %	<= 0.070 %	
Copper, Cu	3.3 - 4.7 %	3.3 - 4.7 %	
Iron, Fe	<= 0.80 %	<= 0.80 %	
Magnesium, Mg	<= 0.070 %	<= 0.070 %	
Manganese, Mn	<= 0.070 %	<= 0.070 %	
Other, each	<= 0.050 %	<= 0.050 %	
Other, total	0.15 %	0.15 %	
Silicon, Si	9.3 - 10.7 %	9.3 - 10.7 %	
Zinc, Zn	9.3 - 10.7 %	9.3 - 10.7 %	

Processing Properties	Metric	English	Comments
Processing Temperature	549 - 571 Â°C	1020 - 1060 Â°F	Brazing Range

Descriptive Properties	Value	Comments
Color	Grayish-White	

## Contact Songhan Plastic Technology Co.,Ltd.

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