

Lucas-Milhaupt Lithobraz 925 Silver Based Cadmium Free Filler Metal

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

Material Notes:

Applications: The principal use to date of Litho braze 925 has been the brazing of honeycomb panel sections. It can be used for general purpose furnace brazing of stainless steels where flux must be avoided. Characteristics: Litho braze 925 is lithium modified sterling silver, designed primarily for fluxless furnace brazing of stainless steels. This alloy has been widely used for brazing honeycomb airframe structures made of precipitation hardening stainless steels such as 17-7PH, PH15-7Mo and AM350. The use of Litho braze 925 permits taking advantage of the maximum panel strength afforded by free node flow. This alloy is not suitable for torch brazing in air but must be used in a hydrogen or inert atmosphere of low dew point (-70EF/-55EC or drier). Argon is the most commonly used inert gas. Information provided by Lucas-Milhaupt, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucas-Milhaupt-Lithobraz-925-Silver-Based-Cadmium-Free-Filler-Metal.php

Physical Properties	Metric	English	Comments
Density	10.11 g/cc	0.3652 lb/in ³	

Thermal Properties	Metric	English	Comments
Melting Point	760 - 890.6 Â°C	1400 - 1635 Â°F	
Solidus	760 Â°C	1400 Â°F	Melting Point
Liquidus	890.6 Â°C	1635 Â°F	Flow Point

Component Elements Properties	Metric	English	Comments
Copper, Cu	>= 6.55 %	>= 6.55 %	
Lithium, Li	0.15 - 0.30 %	0.15 - 0.30 %	
Other, total	<= 0.15 %	<= 0.15 %	
Silver, Ag	92 - 93 %	92 - 93 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000312 ohm-cm @Diameter 0.762 mm	0.00000312 ohm-cm @Diameter 0.0300 in	annealed wire with 0.22% Li

Descriptive Properties	Value	Comments
Color	Silver-White	

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