

Lucas-Milhaupt Silvaloy[®] 30 Brazing Alloy

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

Material Notes:

Silvaloy 30 is historically a modification of Silvaloy 35 with further reduction in silver content resulting in a higher melting point and a longer range. Silvaloy 30 is used for brazing steel, stainless steel, copper, copper alloys, nickel, nickel alloys or combinations of these metals. It is similar to Silvaloy 35 in performance although it contains less silver. Its broader melting range is helpful where clearances are not uniform. Typical applications are the joining of ferrous, nonferrous and dissimilar metals and alloys with close joint clearances. Information provided by Lucas-Milhaupt Warwick, LLC (formerly Wolverine Joining Technologies).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucas-Milhaupt-Silvaloy-30-Brazing-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	8.76 g/cc	8.76 g/cc	
Density	8.75 g/cc	0.316 lb/in ³	

Thermal Properties	Metric	English	Comments
Melting Point	607.2 - 710 °C	1125 - 1310 °F	
Solidus	607.2 °C	1125 °F	
Liquidus	710 °C	1310 °F	
Maximum Service Temperature, Air	204 °C	400 °F	continuous
	316 °C	600 °F	intermittent

Component Elements Properties	Metric	English	Comments
Cadmium, Cd	19 - 21 %	19 - 21 %	
Copper, Cu	26 - 28 %	26 - 28 %	
Other, total	<= 0.15 %	<= 0.15 %	
Silver, Ag	29 - 31 %	29 - 31 %	
Zinc, Zn	21 - 25 %	21 - 25 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000550 ohm-cm	0.00000550 ohm-cm	

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	710 - 843 Å°C Metric	1310 - 1550 Å°F English	Brazing Temperature Comments
Descriptive Properties	Value		Comments
Color	Light Yellow		
Electrical Conductivity (% IACS)	31		

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China