

Lucas-Milhaupt Silvaloy® 50 Brazing Alloy

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

Material Notes:

Silvaloy is one of the lower melting brazing alloys composed of silver, copper, zinc and cadmium. It is suitable for use on most metals except aluminum and magnesium. It is used for joining steel, stainless steel, copper, copper alloys, nickel, nickel alloys or combinations of these metals. Typical applications are the joining of ferrous, non-ferrous, 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-50-Brazing-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	9.45 g/cc	9.45 g/cc	
Density	9.45 g/cc	0.342 lb/in ³	

Thermal Properties	Metric	English	Comments
Melting Point	627 - 635.0 °C	1160 - 1175 °F	
Solidus	627 °C	1160 °F	
Liquidus	635.0 °C	1175 °F	
Maximum Service Temperature, Air	204 °C	400 °F	continuous
	316 °C	600 °F	intermittent

Component Elements Properties	Metric	English	Comments
Cadmium, Cd	17 - 19 %	17 - 19 %	
Copper, Cu	14.5 - 16.5 %	14.5 - 16.5 %	
Other, total	<= 0.15 %	<= 0.15 %	
Silver, Ag	49 - 51 %	49 - 51 %	
Zinc, Zn	14.5 - 18.5 %	14.5 - 18.5 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000700 ohm-cm	0.00000700 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	649 - 760 °C	1200 - 1400 °F	Brazing Temperature

Descriptive Properties	Value	Comments
Color	Light Yellow	
Electrical Conductivity (% IACS)	23.9	

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