

## Lucas-Milhaupt Silvaloy® A30 Brazing Alloy

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

### Material Notes:

Silvaloy A30 does not contain cadmium and is often used as an alternate to cadmium containing alloys when the brazed assembly comes in contact with food or dairy products. Its slightly higher melt temperature provides improved mechanical strengths when exposed to elevated temperatures. It is used extensively in joining copper, brass, nickel, silvers, and ferrous alloys. 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-A30-Brazing-Alloy.php](http://www.lookpolymers.com/polymer_Lucas-Milhaupt-Silvaloy-A30-Brazing-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	8.85 g/cc	8.85 g/cc	
Density	8.84 g/cc	0.319 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
Melting Point	677 - 766 Â°C	1250 - 1410 Â°F	
Solidus	677 Â°C	1250 Â°F	
Liquidus	766 Â°C	1410 Â°F	
Maximum Service Temperature, Air	204 Â°C	400 Â°F	continuous
	316 Â°C	600 Â°F	intermittent

Component Elements Properties	Metric	English	Comments
Copper, Cu	37 - 39 %	37 - 39 %	
Other, total	<= 0.15 %	<= 0.15 %	
Silver, Ag	29 - 31 %	29 - 31 %	
Zinc, Zn	30 - 34 %	30 - 34 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000707 ohm-cm	0.00000707 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	766 - 857.2 Â°C	1410 - 1575 Â°F	Brazing Temperature

Descriptive Properties	Value	Comments
Color	Light Yellow	
Electrical Conductivity (% IACS)	24.4	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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