

## Lucas-Milhaupt Silvaloy® 35 Brazing Alloy

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

### Material Notes:

Silvaloy 35 is an alloy with a melting range suitable for brazing steel, stainless steel, copper, copper alloys, nickel, nickel alloys or combinations of these metals. It is free-flowing and suited for general purpose work. Its broader melting range is helpful where clearances are not uniform. 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-35-Brazing-Alloy.php](http://www.lookpolymers.com/polymer_Lucas-Milhaupt-Silvaloy-35-Brazing-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	9.29 g/cc	9.29 g/cc	
Density	9.30 g/cc	0.336 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
Melting Point	607.2 - 701.7 Â°C	1125 - 1295 Â°F	
Solidus	607.2 Â°C	1125 Â°F	
Liquidus	701.7 Â°C	1295 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
Cadmium, Cd	17 - 19 %	17 - 19 %	
Copper, Cu	25 - 27 %	25 - 27 %	
Other, total	<= 0.15 %	<= 0.15 %	
Silver, Ag	34 - 36 %	34 - 36 %	
Zinc, Zn	19 - 23 %	19 - 23 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000626 ohm-cm	0.00000626 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	701.7 - 843 Â°C	1295 - 1550 Â°F	Brazing Temperature

Descriptive Properties	Value	Comments
Color	Light Yellow	
Electrical Conductivity (% IACS)	27.5	

## Contact Songhan Plastic Technology Co.,Ltd.

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