

Lucas-Milhaupt Silvaloy® X55 Brazing Alloy

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

Material Notes:

Silvaloy X55 has excellent gap filling capability and plasticity when in the molten condition. It also exhibits excellent strength and ductility while cooling from the liquid stage. The improved strength and ductility at elevated temperatures gives it the added advantage over nickel silvers in joining materials with dissimilar coefficient of expansion. The primary application is in the joining of carbides to steel holders.

This application requires an alloy with good gap filling characteristics as well as superior toughness and ductility at elevated temperatures. 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-X55-Brazing-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	8.35 g/cc	8.35 g/cc	
Density	8.33 g/cc	0.301 lb/in ³	

Thermal Properties	Metric	English	Comments
Melting Point	866 - 885.0 Å°C	1590 - 1625 Å°F	
Solidus	866 Å°C	1590 Å°F	
Liquidus	885.0 Å°C	1625 Å°F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	54 - 56 %	54 - 56 %	
Manganese, Mn	3.25 - 4.75 %	3.25 - 4.75 %	
Nickel, Ni	5.25 - 6.75 %	5.25 - 6.75 %	
Zinc, Zn	32.5 - 37.5 %	32.5 - 37.5 %	As balance

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000160 ohm-cm	0.0000160 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	899 - 1010 Å°C	1650 - 1850 Å°F	Brazing Temperature

Descriptive Properties	Value	Comments
Color	Light Yellow	

Descriptive Properties	Value	Comments
------------------------	-------	----------

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