

Lucas-Milhaupt Silvaloy[®] A45T Brazing Alloy

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

Material Notes:

Silvaloy A45T is a free flowing, low melting and an excellent substitute to the cadmium bearing filler metals with similar silver contents. Silvaloy A45T narrow melt range makes it suitable for manual or machine feeding into the braze joint. The alloy is best suited for narrow gap filling in the range of 0.001 - 0.005 inches. 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-A45T-Brazing-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	8.95 g/cc	8.95 g/cc	
Density	8.96 g/cc	0.324 lb/in ³	

Thermal Properties	Metric	English	Comments
Melting Point	646.1 - 688 Å°C	1195 - 1270 Å°F	
Solidus	646.1 Å°C	1195 Å°F	
Liquidus	688 Å°C	1270 Å°F	
Maximum Service Temperature, Air	204 Å°C	400 Å°F	continuous
	316 Å°C	600 Å°F	intermittent

Component Elements Properties	Metric	English	Comments
Copper, Cu	26 - 28 %	26 - 28 %	
Other, total	<= 0.15 %	<= 0.15 %	
Silver, Ag	44 - 46 %	44 - 46 %	
Tin, Sn	2.5 - 3.5 %	2.5 - 3.5 %	
Zinc, Zn	23 - 27 %	23 - 27 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000960 ohm-cm	0.00000960 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	710 - 843 Å°C	1310 - 1550 Å°F	Brazing Temperature

Descriptive Properties	Value	Comments
Color	Pale Yellow	
Electrical Conductivity (% IACS)	18	

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