

Lucas-Milhaupt Silvaloy® A56T Brazing Alloy

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

Material Notes:

Silvaloy A56T has the lowest brazing temperature, best wetting, and best flow of all the cadmium free alloys. It has a slight plastic range which may be noticed during melting on some applications. Its low zinc content minimizes problems due to longer heating cycles or due to excessive heating. It is often selected for use on silver or stainless steel due to its excellent color match. 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-A56T-Brazing-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	9.49 g/cc	9.49 g/cc	
Density	9.492 g/cc	0.3429 lb/in ³	

Thermal Properties	Metric	English	Comments
Melting Point	618.3 - 651.7 °C	1145 - 1205 °F	
Solidus	618.3 °C	1145 °F	
Liquidus	651.7 °C	1205 °F	
Maximum Service Temperature, Air	204 °C	400 °F	continuous
	316 °C	600 °F	intermittent

Component Elements Properties	Metric	English	Comments
Copper, Cu	21 - 23 %	21 - 23 %	
Other, total	<= 0.15 %	<= 0.15 %	
Silver, Ag	55 - 57 %	55 - 57 %	
Tin, Sn	4.5 - 5.5 %	4.5 - 5.5 %	
Zinc, Zn	15 - 19 %	15 - 19 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000145 ohm-cm	0.0000145 ohm-cm	

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	651.7 - 760 Å°C Metric	1205 - 1400 Å°F English	Brazing Temperature Comments
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Descriptive Properties	Value	Comments
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Color	White	
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Electrical Conductivity (% IACS)	11.9	
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