Lucas-Milhaupt SilvacoreÂ® A38T Flux Cored Brazing Alloy

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

Material Notes:

Silvaloy A38T is used for joining ferrous metals, copper, copper alloys, nickel, nickel alloys and combinations of these metals. The tin content provides good wetting on many difficult to wet metals such as stainless steel and tungsten carbide. This alloy, being free of Pb or Cd is preferred for long heating cycles and is suitable for use in controlled atmosphere brazing without flux. The largest use of this alloys is the furnace brazing although it is also suitable for other brazing procedures.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-Silvacore-A38T-Flux-Cored-Brazing-Alloy.php

Thermal Properties	Metric	English	Comments
Melting Point	649 - 721 Â°C	1200 - 1330 Â°F	
Solidus	649 Â°C	1200 Â°F	
Liquidus	721 Â°C	1330 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	31 - 33 %	31 - 33 %	Metal (excluding flux)
Other, total	<= 0.15 %	<= 0.15 %	Metal (excluding flux)
Silver, Ag	37 - 39 %	37 - 39 %	Metal (excluding flux)
Tin, Sn	1.5 - 2.5 %	1.5 - 2.5 %	Metal (excluding flux)
Zinc, Zn	26 - 30 %	26 - 30 %	Metal (excluding flux)

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000950 ohm-cm	0.00000950 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	721 - 843 Â°C	1330 - 1550 Â°F	Brazing Temperature

Descriptive Properties	Value	Comments
Boric Acid %	27	percentage of flux

Descriptive Properties	Value	Comments
Color	Pale Yellow	
Electrical Conductivity (% IACS)	18	
Potassium Bifluoride %	27	percentage of flux
Potassium Fluoroborate %	25	percentage of flux
Potassium Tetraborate %	21	percentage of flux

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