

## Lucas-Milhaupt Silvaloy<sup>®</sup> A45 Flux Coated Rod Brazing Alloy

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

### Material Notes:

Silvaloy A45 FC is a good general purpose alloy often used when cadmium must be avoided such as in the dairy and food industries. It is also used for brazing in electrical industry and for brazing brass parts such as ships, piping, band instruments and lamps. Generally, the joint strength of Silvaloy A45 FC will surpass the strength of the base metals. 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-A45-Flux-Coated-Rod-Brazing-Alloy.php](http://www.lookpolymers.com/polymer_Lucas-Milhaupt-Silvaloy-A45-Flux-Coated-Rod-Brazing-Alloy.php)

Physical Properties	Metric	English	Comments
Water Absorption	15 - 35 %	15 - 35 %	

Thermal Properties	Metric	English	Comments
Melting Point	662.8 - 743 Â°C	1225 - 1370 Â°F	
Solidus	662.8 Â°C	1225 Â°F	
Liquidus	743 Â°C	1370 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	29 - 31 %	29 - 31 %	
Silver, Ag	44 - 46 %	44 - 46 %	
Zinc, Zn	23 - 27 %	23 - 27 %	

Processing Properties	Metric	English	Comments
Processing Temperature	743 - 843 Â°C	1370 - 1550 Â°F	Brazing Temperature

Descriptive Properties	Value	Comments
Boric Acid %	25-40	percentage of flux
Potassium Bifluoride %	10-30.0	percentage of flux
Potassium Fluoride %	5-15.0	percentage of flux
Potassium Fluoroborate %	5-20.0	percentage of flux

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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