

Lucas-Milhaupt Silvabrite® 100® Lead-Free Solder

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

Material Notes:

Silvabrite 100® was developed to meet market demands for a safe and easy to use solder for drinking water systems and other applications. Silvabrite 100® is a lead-free and antimony-free, non-toxic solder which contains the same safe metals in dental fillings. It offers a low melting point and wide melting range for excellent flow and control. Silvabrite 100® also creates strong, corrosion resistant and leak-tight joints. Applications Silvabrite 100® is suitable for joining copper, steel, stainless steel, nickel metals and alloys. It is most often applied by torch heating or soldering iron, but can be used with all conventional heating methods. 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-Silvabrite-100-Lead-Free-Solder.php

Physical Properties	Metric	English	Comments
Density	7.36 g/cc	0.266 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	47.6 MPa	6900 psi	

Component Elements Properties	Metric	English	Comments
Copper, Cu	4.0 %	4.0 %	
Silver, Ag	0.40 %	0.40 %	
Tin, Sn	95.6 %	95.6 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000144 ohm-cm	0.0000144 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	227 - 260 °C	440 - 500 °F	Soldering Range

Descriptive Properties	Value	Comments
Corrosion Test Data (mils/year)	0.31	
Electrical Conductivity (% IACS)	12	

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