

ALPHA® Sn100

Pure Tin Solder

DESCRIPTION

ALPHA Sn100 Pure Tin Solder is suitable for lead tinning, electronic plating, wave soldering and other applications for electronic assemblers interested in instituting a lead-free process. It is also suitable for replenishing the solder loss in Lead-Free solder pot in order to control / maintain the copper content when necessary. As with all Alpha Bar Solders, Alpha's proprietary process is used to remove certain impurities, particularly oxides.

Alpha's proprietary process is a highly effective method for removing included oxides from solder. This is extremely important because included oxides generate excessive drossing and increase the viscosity of the solder. Solder with higher viscosity can result in increased soldering defects (i.e. solder bridging).

PRODUCT INFORMATION

0.10% of Pb complies with the requirement of RoHS Directive (Article 4.1 of the European Directive 2011/65/EU). Product specification for maximum Lead (Pb) Content = 0.05%

Material Properties	Sn100
Melting Point (°C)	232
Density (g/cm ³)	7.29
Thermal Conductivity (W/mK)	73
Electrical Resistivity (μΩ-m)	0.124
Tensile Strength (kgf/cm ²)	135

Specification %			
Sn	Balance	Cd	0.002 max
Sb	0.05 max	Zn	0.001 max
Cu	0.05 max	Fe	0.010 max
As	0.03 max	Pb	0.050 max
Ag	0.015 max	Al	0.001 max
Bi	0.050 max	In	0.10 max
Ni	0.010 max	Au	0.002 max

SAFETY

Please refer to the Safety Data Sheet as the primary source of health and safety information. The most recent version of the SDS is available from AlphaAssembly.com.

STORAGE

Store the solder bar in a cool, dry and non-corrosive environment. Wrap up the solder bar when not in use to reduce exposure to environment.

AVAILABILITY

ALPHA Sn100 is available in 1kg (2.2lb) Bar, Chunks, Feeder Ingots and Autofeed Wire.

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CONTACT INFORMATION

To confirm this is the most recent issue, please contact Alpha Assembly Solutions

AlphaAssembly.com

North America 300 Atrium Drive Somerset, NJ 08873, USA 800.367.5460	Europe Unit 2, Genesis Business Park Albert Drive Woking, Surrey, GU21 5RW, UK 01483.758400	Asia 8/F., Paul Y. Centre 51 Hung To Road Kwun Tong, Kowloon, Hong Kong 852.3190.3100
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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency directory assistance Chemtrec 1 - 800 - 424 - 9300.

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