



Sn63 Bar Solder

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Sn63 Extruded Bar Solder

PRODUCT DESCRIPTION

LOCTITE® Product Sn63 Bar Solder is a high grade solder alloy. During the manufacturing, naturally occurring impurities are removed resulting in solder that routinely exceeds QQ-S-571, J-STD-006 and JIS Z 3282 Class A requirements. See Table 1 below.

LOCTITE® Product Sn63 Bar Solder is manufactured using an extrusion process instead of a casting system. This process produces bars that are regular in shape and exhibit a finer grain structure than what is capable with cast bars. The end result is a consistent bar with low levels of drossing upon melting and use.

Table 1

Element	J-STD-006 (%)	Sn63 Bar Solder
Sn	62.5 - 63.5	63.05
Pb	Remainder	Remainder
Sb	0.0 - 0.5	0.0 - 0.2
Cu	0.08	<0.02
Ag	0.1	<0.02
Al	0.005	<0.0001
As	0.03	<0.002
Bi	0.1	<0.03
Cd	0.005	<0.002
Fe	0.02	<0.0015
Ni	0.01	<0.0001
Au	0.2	<0.0001
Zn	0.005	<0.0001

TYPICAL PROPERTIES

Table 2

Sn63 Bar Solder	
Density gm/cc	8.42
Melt Point	183C (361F)
Tensile Strength psi	7500
Surface Tension Kn/M at 280C	490
Brinell Hardness	14
Resistivity Ohm-cm	1.45×10^{-6}

Packaging:

LOCTITE® Product Sn63 Bar Solder is available as a one pound bar with the dimensions: L 12.25" x W 0.063" x H 0.038".

LOCTITE® Product Sn63 Bar Solder is sold in economical 2000 lbs. pallets.

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Loctite Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loctite Corporation's products. Loctite Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Loctite Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).