

LOCTITE SWR SN63

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PRODUCT DESCRIPTION

LOCTITE SWR SN63 provides the following product characteristics:

Technology	Solid Wire
Application	Sn/Pb soldering

LOCTITE SWR SN63 alloy is a tin/lead alloy used in traditional electronic assembly soldering applications.

FEATURES AND BENEFITS

- Eutectic SnPb alloy
- Improved yields, especially on densely populated boards
- Special alloy composition improves flow and reduces oxide formation for more consistent results
- Bright solder joints
- Low impurity levels increase life of alloy in the solder bath and reduce bath maintenance
- Passes IPC/EIA J-STD-006B requirements
- Available in standard bar, feeder bar and chip and chunks forms
- Available in solid wire form
- Different dimensions available upon request

COMPOSITION

ELEMENT	Weight %
Tin (Sn)	62.5 to 63.5
Lead (Pb)	Remainder
Aluminum (Al)	≤0.005
Antimony (Sb)	≤0.5
Arsenic (As)	≤0.03
Bismuth (Bi)	≤0.1
Cadmium (Cd)	≤0.002
Copper (Cu)	≤0.08
Gold (Au)	≤0.05
Iron (Fe)	≤0.02
Indium (In)	≤0.03
Nickel (Ni)	≤0.01
Silver (Ag)	≤0.05
Zinc (Zn)	≤0.003

Solder Bar Typical Properties

Alloy melting range, °C	183
Density, g/cm ³	7.4
Tensile Strength, N/mm ²	67

PACKAGING

LOCTITE SWR SN63 is solid solder wire. It is in 3mm diameter on spools of 5, 10, 20 and 44 pounds.

GENERAL INFORMATION

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

Not for Product Specifications

The technical information contained herein is intended for reference only. Please contact Henkel Technologies Technical Service for assistance and recommendations on specifications for this product.

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\mu\text{m} / 25.4 = \text{mil}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

Disclaimer

Note:

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