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BAR SN63

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PRODUCT DESCRIPTION

BAR SN63 provides the following product characteristics:

Technology	Solder bar
Application	Sn/Pb soldering

BAR 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

TYPICAL PROPERTIES

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

BAR SN63 is sold in economical 1000 and 2000 lbs pallets.

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

(°C x 1.8) + 32 = °F
 kV/mm x 25.4 = V/mil
 mm / 25.4 = inches
 μm / 25.4 = mil
 N x 0.225 = lb
 N/mm x 5.71 = lb/in
 N/mm² x 145 = psi
 MPa x 145 = psi
 N·m x 8.851 = lb·in
 N·m x 0.738 = lb·ft
 N·mm x 0.142 = oz·in
 mPa·s = cP

Disclaimer

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

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