

BAR 99C

March 2014

PRODUCT DESCRIPTION

BAR 99C provides the following product characteristics:

Technology	Solder bar
Application	Pb-free soldering

BAR 99C alloy is designed for use as a Pb-free substitute for tin/lead alloys in most electronic assembly soldering applications.

FEATURES AND BENEFITS

- Best all-around Pb-free alternative
- Lowest melting point, high tin, Pb-free alloy without undesirable additions
- Enhanced wetting characteristics
- 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

TYPICAL PROPERTIES

ELEMENT	Weight %
Tin (Sn)	Remainder
Copper (Cu)	0.5 to 0.9
Aluminum (Al)	≤0.001
Antimony (Sb)	≤0.05
Arsenic (As)	≤0.03
Bismuth (Bi)	≤0.1
Cadmium (Cd)	≤0.002
Gold (Au)	≤0.005
Iron (Fe)	≤0.02
Indium (In)	≤0.03
Lead (Pb)	≤0.1
Nickel (Ni)	≤0.007
Silver (Ag)	≤0.05
Zinc (Zn)	≤0.001

Solder Bar Typical Properties

Alloy	99% Sn
Solidus Temperature, °C	2.27
Liquidus Temperature, °C	2.27
Density, mg/m ²	7.31

PACKAGING

BAR 99C is sold in economical 1000 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

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

Disclaimer

Note:

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