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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# BAR SAC305

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## PRODUCT DESCRIPTION

BAR SAC305 provides the following product characteristics:

<b>Technology</b>	Solder bar
<b>Application</b>	Pb-free soldering

BAR SAC305 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

## TYPICAL PROPERTIES

ELEMENT	Weight %
Tin (Sn)	96 +0.5
Lead (Pb)	<0.05
Antimony (Sb)	<0.1
Copper (Cu)	0.5 +0.1
Silver (Ag)	3.0 +0.2
Aluminum (Al)	<0.001
Arsenic (As)	<0.03
Bismuth (Bi)	<0.1
Cadmium (Cd)	<0.005
Iron (Fe)	<0.02
Nickel (Ni)	<0.007
Gold (Au)	<0.005
Zinc (Zn)	<0.001

### Solder Bar Typical Properties

Alloy	97SC (SAC305)
Density	7.4
Alloy melting range, °C	217
Tensile Strength, MPa	29.7

## PACKAGING

BAR SAC305 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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