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Sac305 Lead Free Solder Alloy  
SAC305 is a lead-free alloy that  
contains 96.5% tin, 3% silver, and  
0.5% copper. This alloy falls

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**Solder** under the JEIDA recommendation for lead-free soldering. When used in wave soldering, AIM's SAC305 bar solder offers far superior fluidity as compared to other alloys and makes of bar, resulting in excellent flow.

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SAC305 | AIM Solder

DESCRIPTION SAC305 lead-free alloy contains 96.5 % tin, 3% silver, and 0.5% copper and is RoHS, REACH and JEIDA compliant. Applications include Wave, Selective, Hand and SMT

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Solder Reflow Soldering. AIM

Electropure<sup>®</sup> SAC305 Shelf Lifebar solder offers reduced dross production and superior wetting and fluidity as compared to other solder brands.

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Sac305 Lead-free solder alloy  
Home / Electronic Grade / Lead  
Free Solder / SAC Alloys Solder  
Bar SAC Alloys Solder Bar DKL  
Metals provide both E-Qual 96TSC  
(SAC387) and E-Qual 97TSC  
(SAC305). E-Qual 96TSC alloy is a  
proprietary alloy of composition

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95.5%tin, 3.8%silver, 0.7%  
copper.

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SAC 305 Alloy | Lead Free Solder  
Bar | Solder Bar ...

The 4900 Lead Free Solder Sn96  
(SAC305) is an electronic grade,

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Solder lead-free solder wire. It uses the predominant lead-free alloy composition. It is complemented with a no clean, synthetically refined, splatter-proof resin flux core. The 4900 solder wires meets J-STD-004 and exceeds J-STD-006 purity specifications.



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Lead Free Solder Sn96 (SAC305)  
4900 Technical Data Sheet ...  
Product Overview The 737195 is a  
0.7mm 96.5/3/0.5 grade Lead-  
free Cored Solder Wire, made of  
Sn/Ag/Cu alloy. This cored wire is

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Solder manufactured with a range of flux contents and although users will normally be using products with a nominal flux content of 3%.

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No-Clean Lead Free Solder Wire  
SAC305 0.7mm, 500g, 217°C ...

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SAC305 is the lead-free standard alloy consisting of 96.5% tin, 3% silver, and 0.5% copper. Its silver content of 3% ensures optimal wetting properties and balanced properties in terms of thermal fatigue, strength of the solder connection, and resistance to

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Solder mechanical stress. Properties of the SAC305 alloy

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SAC305 solder paste for electronics manufacturing - GENMA ...

LEAD-FREE SAC ALLOYS. SAC305,

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SAC387, SAC405, SAC0307.

DESCRIPTION . SAC Alloys are the leading alloys replacing tin-lead solders for electronic assembly applications. These alloys have proven to perform well in surface mount, wave soldering, and hand soldering applications. SAC Alloys

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Solder may be used with existing equipment, processes, coatings, and flux chemistries. SAC Alloys are available in ...

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SAC Solder - Lead Free SAC Alloys  
| Canfield Technologies

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ALPHA® SAC 305 & 405 Wave Solder Bar. Sn96.5Ag3Cu0.5 and Sn95.5Ag4Cu0.5 are lead-free alloys suitable for use as a replacement for Sn63 alloy. The Sn97Ag3 and Sn96Ag4 variants are used to stabilize / reduce the copper content in the wave solder

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**Solder** bath, this requirement will depend on process conditions. As with all Alpha Metals bar solder, Alpha's proprietary Vaculoy® alloying process is ...

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ALPHA® Vaculoy SAC 305 405

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Soldering Alloys | Alpha ...

Lead-Free Alloy Bar Solder

Manufactured by a special

process that controls the

inclusions of oxides and metallic

and non-metallic impurities,

Kester Ultrapure® is the industry

standard bar solder for use in

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Solder high tech electronic applications where lower surface tension and hole filling ability are essential.

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Lead-Free Alloy Bar Solder

This reference covers solder alloys which feature melting

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Solder points from about 50°C to about 400°C, both lead based and lead free. They're also known as soft solders. Most of them are patent free. The information below has been gathered mostly from product data sheets of various manufacturers such as Indium

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Solder of America, Alpha Metals (Cookson Group), Stannol and others. The alloys are ...

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Solder Alloys: Physical and  
Mechanical Properties  
SAC305 Solder are available at

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**Solder** Electronics. Mouser offers inventory, pricing, & datasheets for SAC305 Solder.

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SAC305 Solder – Mouser United Kingdom

LEAD FREE WAVE SOLDER ALLOY

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DESCRIPTION Sn96.5Ag3Cu0.5 and Sn95.5Ag4Cu0.5 and their replenishment alloys Sn97Ag3Cu0, Sn96.5Ag3.5Cu0 and Sn96Ag4Cu0 are lead-free alloys suitable for use as a replacement for Sn63 alloy. The replenishment alloys are

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Sometimes used to stabilize /  
reduce the copper content in the  
wave solder bath, this  
requirement will depend on  
process conditions. As with all ...

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SAC300,305,350,400,405 LEAD  
FREE WAVE SOLDER ...

The two most commonly used types of lead-free solder are SnAgCu (tin-silver-copper, also called SAC) and SnCu (tin-copper). SnAgCu alloy with 3% silver and 0.5% copper (SAC305)



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Lead-Free Solder Alloys: Their Properties And Best Types ...  
SAC305 Solder Spheres are lead-free Tin/Silver/Copper alloys that contain 96.5% Tin (Sn), 3% Silver

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(Ag), and 0.5% Copper (Cu) and is often written as Sn96.5Ag3.0Cu0.5.

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Buy SAC305 Leadfree Solder  
Spheres Solder Balls Online ...  
Tin-silver-copper (Sn - Ag - Cu,

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Solder (also known as SAC), is a lead-free (Pb-free) alloy commonly used for electronic solder. The tin-silver-copper alloy has been the prevailing alloy system used to replace tin-lead because it is near eutectic, with adequate thermal fatigue properties, strength, and

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Tin-silver-copper - Wikipedia  
Lead-free solder may be less desirable for critical applications, such as aerospace and medical projects, ... In eutectic tin-silver

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(3.5% Ag) alloy and similar alloys (e.g. SAC305) it tends to form platelets of Ag<sub>3</sub>Sn, which, if formed near a high-stress spot, may serve as initiating sites for cracks and cause poor shock and drop performance; silver content needs to be kept below 3% to ...

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Solder - Wikipedia

Lead-Free Solder Alloys . Table 1.9. Activation Energy versus Strain Rate for Two Lead-Free Eutectic Solders (Sn-3.5Ag and Sn-9Zn) Table 1.10. Elastic

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Solder Properties of Metallic Elements  
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Table 1.11. Material Properties of  
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Assembly . Table 1.12. Elastic  
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Properties of Lead-Free Solders -  
NIST

SAC305 was the first recommended alloy world wide for lead free soldering. This solder contains 96.5% tin, 3% silver and



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Solder  
0.5% copper. This alloy falls under the JEIDA recommendation for lead free soldering. Aim's SAC305 is alloyed in the proprietary Electropure method that results in a low drossing, high wetting solder.

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AIM SAC305 Lead-Free Alloy (Bar Solder) - Waverroom Plus  
SN100C® Lead-Free Solder Alloys  
Introduction FCT Assembly  
Solders division has partnered  
with Nihon Superior to  
manufacture their patented

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**Solder** SN100C (Sn/Cu/Ni/Ge) solder alloy in North America. SN100C outperforms other lead-free alloys used for wave and selective soldering. SN100C is also significantly less costly than silver containing alloys. Attributes □ Excellent wetting and drainage ...

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