

ALPHA® Sn63Pb37 Vaculoy® Solder Alloy

DESCRIPTION

ALPHA Sn63Pb37 Vaculoy is manufactured using high purity raw materials and the alloy is conditioned using Alpha's Vaculoy viscosity and dross lowering treatment. This results in a pure low dross high fluidity solder alloy, which is free of cast in impurities and included oxides.

FEATURES & BENEFITS

ALPHA Sn63Pb37 Vaculoy treated prior to casting: this removes finely divided suspended oxides that are found in all virgin raw materials. This increases the fluidity and hence soldering defects.

- The remove of the finely divided oxide reduces crossing rate, the wave stays cleaner, longer.
- Has a proven track record; no need to take chances.

APPLICATION

ALPHA Sn63Pb37 Vaculoy is the ideal companion product for all wave soldering systems. **ALPHA Sn63Pb37 Vaculoy** is ideal for the following types of applications:

- High volume wave soldering processes
- Applications requiring dual wave and chip wave systems
- Boards that are densely populated

A solder pot temperature of 240-250° is recommended. For suitable wave solder fluxes, please see our selector guide. Reclaim services, including dedicated lead-free containers, are also available. Please consult your local sales office.

TECHNICAL SPECIFICATIONS

The following indicates the alloy and impurity limits for **ALPHA Sn63Pb37 Vaculoy** in relation to J-STD-006C. All figures in % by weight. *For 60Sn/40Pb, Sn is 59.5-60.5%.

ELEMENT	VACULOY	J-STD-006C
Sn	*62.5-63.5	62.5-63.5
Pb	Balance	Balance
Sb	0.20 max	0.20 max
Cu	0.08 max	0.08 max
Zn	0.003 max	0.003 max
Fe	0.02 max	0.02 max
As	0.03 max	0.03 max
Ni	0.01 max	0.01 max
Bi	0.10 max	0.10 max
Cd	0.002 max	0.002 max
Ag	0.10 max	0.10 max
Al	0.005 max	0.005 max
In	0.10 max	0.10 max
Au	0.05 max	0.05 max

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AVAILABILITY

ALPHA Sn63Pb37 Vaculoy is available in 3.5 kg feeder bars, 1 kg bars, solid wire, and solder chunks for first fill of solder baths. VACULOY is also available in other SnPb solder alloys such as 60Sn40Pb.

SAFETY

Consult the SDS for all safety information. The most recent version of the SDS is available from AlphaAssembly.com.

CONTACT INFORMATION

To confirm this is the most recent issue, please contact Alpha Assembly Solutions
AlphaAssembly.com

<p>North America 300 Atrium Drive Somerset, NJ 08873, USA 800.367.5460</p>	<p>Europe Unit 2, Genesis Business Park Albert Drive Woking, Surrey, GU21 5RW, UK 01483.758400</p>	<p>Asia 8/F., Paul Y. Centre 51 Hung To Road Kwun Tong, Kowloon, Hong Kong 852.3190.3100</p>
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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency directory assistance Chemtrec 1 - 800 - 424 - 9300.

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