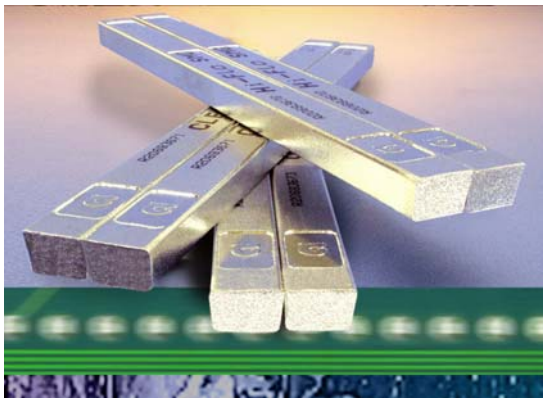
SM958

ALPHA VACULOY® A WAVESOLDER METAL

- Good wetting, high fluidity
- Reduced product usage
- Low fillets
- Bright joints, easy inspection



DESCRIPTION

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

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

APPLICATION

VACULOY® is the ideal companion product for all wave soldering systems. 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 containers are also available, please consult your local sales office.

AVAILABILITY

VACULOY® is available in 3.5kg feeder bars, 1kg bars and solder chunks for first fill of solder baths.

VACULOY® is available in the following standard alloy: 63Sn/37Pb and 60Sn/40Pb.

HEALTH & SAFETY

Please refer to MSDS for advice on proper handling and safety instructions.

Cookson Electronics ASSEMBLY MATERIALS

TECHNICAL SPECIFICATION

The following indicates the Alloy and impurity limits for VACULOY® in relation to J-STD-006A,

ELEMENT	VACULOY® A	J-STD-006A Sn63Pb37A
Sn	*62.5-63.5	62.5-63.5
Pb	Balance	Balance
Sb	0.50 max	0.50 max
Cu	0.08 max	0.08 max
Zn	0.003 max	0.003 max
Fe	0.01 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

All figures are %

Conforms	J-STD-006A Sn63Pb37A

1. J-STD-006A: May 2001
Requirements for Electronic Grade Solder alloys and non-fluxed solders. Joint Industry Standard between IPC and Electronic Industries Alliance (US Based). IPC formed in 1957 as an Institute of Printed Circuits, J-STD-006A supercedes IPC-SF-818.

* For 60Sn/40Pb 59.5-60.5 Sn

Headquarters
Cookson Electronics Assembly Materials
600 Route 440
Jersey City
NJ 07304, U.S.A.
Tel: +1 (201) 434 6778
Fax: +1 (201) 434 7508
www.alphametals.com

Regional Sales Offices:

Belgium	Tel:	+32 (0) 14 44 50 00	Japan:	Tel:	+81 463 53 3333
Brazil	Tel:	+55 11 4353 2500	Korea:	Tel:	+82 31 499 1451
France:	Tel:	+33 (0) 2 41 49 00 11	Mexico:	Tel:	+52 3 818 9500
Germany:	Tel:	+49 (0) 203 55540	Netherlands:	Tel:	+31 (0) 35 695 5411
Hong Kong:	Tel:	+852 3190 3100	Singapore:	Tel:	+65 6861 1977
Hungary	Tel:	+36 (0) 24 460 72 0	Taiwan:	Tel:	+886 (3) 322 2721
India:	Tel:	+91 44 625 2666	UK:	Tel:	+44 (0) 1483 793100
Ireland:	Tel:	+353 (0) 1 842 1172	USA - Elgin:	Tel:	+1 (847) 697 1735
Italy:	Tel:	+39 (0)2 38 33 11			

Issue 1