



Soldering Sticks



For the Electronic Industry

Key Features:

1. Manufactured from high purity LME registered Virgin Metals
2. High purity cast alloy for high performance soldering
3. Improved yields, especially on densely populated boards
4. Improved flows, reduced oxide formation and more consistent results
5. Brighter solder joint

Research Findings:

Our soldering sticks are manufactured for the highest purity virgin metals. Our research team has shown that many impurities present reduce the mobility and wetting force of the melting solder used per joint and reducing the strength of the adhesion. It has therefore been made clear that the cheapest solder per kg is not necessarily the most economical in terms of overall usage, productivity or reliability.

Manufacturing Control:

Our guaranteed reliability is ensured by our effective process control and stringent QC testing methods. All our soldering sticks are made with tested and traceable batches of alloys and our traceability system conforms to the demands of international norms. Our standards ensure that our products have minimum of impurities as required by leading International standards.

Percentage impurities permitted by international specifications compared with typical analysis of our soldering sticks:

Percentage impurities permitted by international specifications compared with typical analysis of our bar solders:

Element	Chemical Symbol	ISO-9453 "E" alloy (Maximum)	I.P.C. J-STD-006 Variation C (Maximum)	Japan JIS-Z-3282 (Maximum)	Product (Maximum)
Arsenic	As	0.03	0.03	0.03	0.002
Bismuth	Bi	0.05	0.10	0.05	0.01
Iron	Fe	0.02	0.02	0.03	0.01
Copper	Cu	0.05	0.08	0.05	0.003
Silver	Ag	no limit	0.05	no limit	0.001
Aluminum	Al	0.001	0.005	0.005	0.0002
Cadmium	Cd	0.002	0.002	no limit	0.001
Zinc	Zn	0.001	0.003	0.005	<0.0005
Antimony	Sb	0.05	0.05	0.30	0.01
Total of all other (Gold, Indium, Nickel, etc.)		0.08	0.05	no limit	<0.005