



E-Bar

Oxide Free Extruded Bar Solder

For Lead-bearing Alloys

Product Description

Complicated electronic assemblies and printed circuit boards require not only conformance to industry material specifications, but also alloys completely free of non-metallic oxides. Kester, in cooperation with the electronics industry, designed and developed Kester E-Bar. It is the answer to thorough metallic continuity, increased fluidity, and reduced surface tension. Electronic assembly engineers, who have depended on Kester for answers to their soldering problems throughout the years, now are assured of the highest quality soldering of printed circuit boards and electronic assemblies.

Maximum Allowed Impurities

Kester E-Bar substantially exceeds the requirements of current industry standards for allowable impurity requirements.

Element	J-STD-006A	Kester E-Bar	Kester Ultrapure®	Ultra Low Dross	Ultrapure® HAL
Copper	0.080	0.020	0.015	0.015	0.001
Gold	0.050	0.002	0.002	0.002	0.001
Antimony	0.200	0.200	0.200	0.200	0.010
Cadmium	0.002	0.001	0.001	0.001	0.001
Zinc	0.003	0.001	0.001	0.001	0.001
Aluminum	0.005	0.002	0.002	0.002	0.001
Iron	0.020	0.010	0.010	0.010	0.003
Arsenic	0.030	0.020	0.020	0.020	0.001
Bismuth	0.100	0.025	0.020	0.020	0.003
Silver	0.100	0.003	0.002	0.002	0.001
Nickel	0.010	0.002	0.002	0.002	0.001
Indium	0.100	0.007	0.007	0.007	0.002
Lead	Balance	Balance	Balance	Balance	Balance

Kester bar solder will conform to these requirements when purchased directly or through stocking distributors. Kester E-Bar meets or exceeds Industry Specification ASTM B32. Kester E-Bar conforms to the requirements of J-STD-006A.

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Available Alloys

	Melting Point
Lead-bearing	
Sn63Pb37	183°C (361°F)
Sn60Pb40	183-190°C (361-374°F)
Lead-free	
Sn95Sb05	232-240°C (450-464°F)
Sn96.5Ag3.5	221°C (430°F)
Sn96.5Ag3.0Cu0.5	217-220°C (423-428°F)
Sn95.5Ag3.8Cu0.7	217-221°C (423-430°F)
Sn99.3Cu0.7	227°C (441°F)
Sn100	232°C (450°F)

Storage and Shelf Life:

Kester E-Bar has no limited shelf life when handled properly. Storage must be in a dry, non-corrosive environment. The solder surface may lose its shine and appear a dull shade of gray. This is a surface phenomenon and is not detrimental to product functionality.

Health & Safety:

This product, during handling or use, may be hazardous to health or the environment. Read the Material Safety Data Sheet and warning label before using this product.

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