Technical Data Sheet
Sc100e Pure Solder Alloy

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Description

Sc100e Pure is SolderKing's response to the need of a competitively priced solder alloy that provides low copper dissolution rates and Improved hole-fill performance. The Sc100e is a eutectic Tin/Copper alloy with controlled metallic dopants to refine the grain structure within the solder joint. Sc100e virtually eliminates the occurrence of common defects such as icicling and bridging and contains an anti-oxidant technology to reduce dross rates. The improved grain structure also results in much brighter solder joints comparing to other Tin/Copper alternatives.

Specification

Sc100e Pure Solder Alloy Typical Batch Data

Melting Point	227°C
Density	7.3
Tensile Strength (MPa)	28
J-STD-006C	No Impurities

Process Information

Sc100e is suitable for Wave, Selective and Tinning Applications. Best results are achieved using SolderKing Fluxes SK F8, SK 4-7, SK F4-8. For tinning use KingsFlux FT-08w or Clear Flux Gel. Consult SolderKing for help choosing the correct flux for your application

RoHS & REACH Directive

Sc100e Pure Solder Alloy is RoHS and REACH compliant. The product does not contain any SVHC's as per the current list.

Benefits

Low Cost, High Performance Solder Alloy

Reduced Dross Formation

Exceptional Through-Hole Penetration

Manufactured to J-STD-006C

RoHS and REACH Compliant

Suitable for Wave, Selective and Hand Soldering

Pot Maintenance

SolderKing provide an analytical service to ensure the elements within solder pot do not exceed the recommended limits.

A full analytical report to verify the purity and composition can be provided.

Availability

Solderking manufacture the Sc100e Pure Solder Alloy in the UK and it is available in various product formats.

Custom formats are available upon request.

SK100	Product
Sc100e Pure Solder Alloy	Bar Solders
	Pellets
	Cored Solder Wires
	Auto Feed Wires

The information supplied in this technical data sheet is designed only as guidance for use and handling of the product. This Information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.