

49500WS



Sn100e Water Soluble Solder Wire

49500WS is an electronics grade solder wire. It uses a high-purity, eutectic 99.5% tin / 0.5% copper and cobalt alloy, with a water-soluble flux core.

It offers superior solder penetration into plated through-holes and surface mount interconnects. It is a suitable replacement for SAC305 solder because it forms brighter, shinier and less-grainy joints and is also less expensive.

It achieves a consistent solder and flux percentage due to our state-of-the-art extrusion wire-drawing machine, which continuously monitors the wire to prevent voids and ensure consistency, providing a top-grade solder wire.



Features & Benefits

Eutectic alloy (liquidus = solidus temperature)

Alloy exceeds J-STD-006C and meets ASTM

B 32 purity requirements

Flux meets J-STD-004B

Water soluble flux

Fast wetting and flowing

Low VOC

Available Packaging

Part #	Packaging	Gauge	Diameter	Net Wt.
49500WS-454G	Spool	21	0.032"	454 g

Storage and Handling

Store between 18 and 25 °C in a dry area, away from sunlight (see SDS).

Properties

Flux Classification	ORH1	J-STD-004B, MIL-F-14256F
Flux Type	Organic	J-STD-004B
Flux Activity	High	J-STD-004B
Solder Flux Color	Opaque	—
Surface Insulation Resistance (SIR)	$>1.0 \times 10^9 \Omega$	IPC-TM-650 2.6.3.7
Acid Number (mgKOH/g sample)	180–200	IPC-TM-650 2.3.13
Halides (by weight)	$>2 \%$	IPC-TM-650 2.3.35
Silver Chromate (Cl ⁻ + Br ⁻)	Detection	—
Softening Point of Flux Residue	60 °C	—
Shelf Life	10 y	—

Disclaimer: This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. M.G. Chemicals Ltd. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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