

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

Cat. No.	Packaging	Gauge	Diameter	Net Wt.
49500WS-454G	Spool	21	0.032"	454 g

Contact Information

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Properties

Flux Classification	ORH1
Flux Type	Organic
Flux Activity	High
Solder Flux Color	Opaque
Silver Chromate-Cl ⁻ + Br ⁻	Detection
Acid Number (mgKOH/g sample)	180–200
Softening Point of Flux Extract	60 °C
Halides (by weight)	>2 %
Surface Insulation Resistance (SIR)	>1.0 x 10 ⁹ Ω

Storage and Handling

Store refrigerated between 18–25 °C away from direct heat or sunlight.

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.