4901

Sn99 No-Clean Solder Wire

4901 is a solder wire for electronics. It uses a high-purity eutectic Sn99.3/Cu0.7 alloy, with a no-clean, synthetically refined, splatter-proof resin flux core. Sn99 solder is a great lead-free alternative to leaded solders. It is a suitable and less costly replacement for SAC305.

It achieve 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,



Features & Benefits

- Eutectic alloy (liquidus=solidus temperature)
- Alloy exceeds J-STD-006C and meets ASTM B 32 purity requirements
- Flux meets J-STD-004B
- Resin spreads like rosin-activated flux
- Virtually non-splattering
- Non-corrosive and non-conductive
- Halide-free
- Suitable for Use in Food Facilities as a Non-Food Chemical—Canadian and NFS recognition letters available on request

Available Packaging

Cat. No.	Packaging	Gauge	Diameter	Net Wt.
4901-112G	Spool	21	0.032"	112 g
4901-227G	Spool	21	0.032"	227 g
4901-454G	Spool	21	0.032"	454 g

Contact Information

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Properties

Flux Classification	REL0	
Flux Type	Resin	
Flux Activity	Low	
Copper Mirror	No removal	
Corrosion Test	Pass	
Electromigration	Pass	
Silver Chromate–Cl^- + Br^-	Pass	
Flux Residue Dryness	Pass	
Acid Number (mgKOH/g sample)	190–210	
Softening Point of Flux Extract	24	°C
Solder Spread	130	mm^2
Splitting of Flux–Cored Wire Solder	0.30	%
Halides (by weight)	<0.05	%
Post Reflow Flux Residue	55	%
Suface Insulation Resistance (SIR)	2.3×10^{11}	Ω
Bellcore (Telecordia)	6.1×10^{11}	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.