

High Purity Wire Solder

Metallic Resources' SAC305 lead-free water soluble wire solder is manufactured to exceed most common specification requirements, including: ASTM (American Society for Testing Materials), IPC (Association Connecting Electronics Industries), and Military and DOD requirements. The SAC305 alloy is Sn96.5/Ag3.0/Cu0.5. It is RoHS compliant and does not contain any substances of very high concern (SVHC). Standard packaging is one-pound spools in .032" or .062" thickness.

Reduces Cleaning Costs

The post-process flux residue is readily soluble in hot water to drastically reduce cleaning costs. Adequate cleaning may be accomplished by simply using normal hot tap water within a temperature range of 100° F to 150° F. De-ionized water is recommended for the final rinse. An inline or other pressurized spray cleaning system is recommended but is not required.

Exceeds Industry Standards

IPC J-STD-004
Type ORH1 flux classification.

Physical Properties

| | |
|------------------------------------|------------------------|
| Melting Point | 217°C |
| Density | 7.4 g/cm ³ |
| Operating Temperature | 250-275°C |
| Tensile Strength | 52 M Pa |
| Tensile Elongation | 27% |
| Thermal Conductivity | 64 J/m ² ·K |
| Electrical Resistivity | 0.000015 Ohm-cm |
| Thermal Shock -10 to +100°C | > 1000 cycles |

The product shelf life is indefinite when stored in a clean, dry area (72°F ± 10°F) away from moisture and sunlight. Do not store near fire or flames. Water soluble cored wire has no odor when in use.

Wide Range of Uses

Metallic Resources' SAC305 lead-free water soluble wire solder is specially designed for manual soldering and repair work where water cleaning is allowed.



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