



TECHNICAL DATA SHEET

CATEGORY: **ROSIN SUPER ACTIVATED CORED WIRE**
NAME: **RSA-601 WIRE**

FEATURES

- HIGH ACTIVITY LEVEL
- SUPER ACTIVATED FLUX
- GOOD THERMAL TRANSFER
- GLYCOL FREE
- WIDE PROCESS WINDOW
- IMPROVED WETTING PROPERTIES

DESCRIPTION

AIM RSA-601 WIRE is a super activated, general-purpose wire solder for use in applications where activated fluxes are too weak. RSA-601 cored wire is strong enough for excellent tarnish and oxide removal, and will produce bright shiny solder joints. RSA-601 wire will leave moderate post process residues that may be left on non-critical applications, but should be removed from any critical applications.

HANDLING

- RSA-601 cored wire has an indefinite shelf life when proper storage conditions are observed.
- Store product in a clean dry area away from moisture and sunlight. Do not freeze this product.

APPLICATION

- Solder iron tip temperature should be between 650° and 750°F for Sn63 and Sn62 alloys.
- Hold the solder iron at a 45° to 60° angle to the work surface.
- The solder iron should contact both the component lead and PCB pad surface.
- Solder and flux should flow onto both the lead and pad or lead and barrel to promote optimum flux activity to the joint being worked.

CLEANING

- If post-process cleaning is desired, is easiest if performed within a two to three hour period.
- Adequate cleaning may be accomplished using a saponifier. AIMTERGE-520A is recommended.
- A temperature of 100°-150°F is sufficient for removing residues. An in-line or other pressurized spray cleaning system is suggested, but is not required.

PACKAGING

- RSA-601 WIRE comes standard with a 3% flux core. Other flux cores %'s are available upon request.
- RSA-601 WIRE is available in Sn60, Sn62, Sn63, Sn96, CASTIN® and other custom alloys upon request.
- Standard spool sizes: ½ lb. for .010 and .015 diameters; 1 lb. for .020, .032, .040, .050, and .062 diameters. Other spool sizes and wire diameters are available upon special request.
- Packaging of ½ lb. and 1 lb. spools is standard in 12 lb. and 24 lb. cases.

SAFETY

- Use with adequate ventilation and proper personal protective equipment.
- Refer to the accompanying **Material Safety Data Sheet** for any specific emergency information.
- Do not dispose of any waste materials in non-approved containers.

The information contained herein is based on data considered accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of any materials designated. 05.18.05

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