

AMTECH

Advanced SMT Solder Products

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An ISO 9001 Certified Company

Product Data Sheet

4300 Solder Wire

Product Description

AMTECH 4300 solder wire is a water washable no-clean core wire, designed for lead-free and tin-lead alloys. 4300 was designed for hand soldering and re-work applications. The core provides sufficient activity to solder successfully to bare copper and other hard to solder surfaces. The residue is a light amber color.

Physical Properties

Standard Alloys: Sn63/Pb37, Sn62/Pb36/Ag2 & Lead-Free alloys under the name LF-4300.
Standard Roll Size: 1 LB
Flux Percentage: 1.1, 2.2 & 3.3%
Standard diameters: .010", .015", .020", .025", .031", .062"
Temperatures: Sn63/Pb37 Eutectic @ 183°C
Sn62/Pb36/Ag2: @ 179°C

Other Alloys and Diameters are available upon request

Test Results

Halide Content	Passes Silver Chromate Paper Test
Corrosivemess	Passes Copper Mirror Test
Electromigration	Passes Bellcore visual and
SIR OHMS (7 days @ 85C-85% R.H.)	10 ¹⁰
Bellcore TR-NWT-000078	Meets Requirements
Ansi/J-STD-004	Meets Requirements
Flux Designation	RELO

Safety

See the material safety data sheet for the appropriate safety procedures.

Packaging

Standard 1 lb. spools

Storage

The expected shelf life is at least 36 months when stored in normal conditions.

The information contained herein is based on technical data that we believe to be reliable and is intended for use by persons having technical skill, at their own risk. Users of our products should make their own tests to determine the suitability of each product for their particular process. AMTECH will assume no liability for results obtained or damages incurred through the application of the data presented.

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