

Product Data Sheet

CW-901 Acid-Cored Wire

Features

- Versatile acid-type inorganic flux for use in industrial applications
- Excellent for use with all metals, except aluminum and magnesium
- Water rinse necessary to remove flux residue after soldering
- Not suitable for electrical or electronics applications

Introduction

CW-901 wire solder is cored with an inorganic acid flux for industrial applications. It is highly active to accomplish rapid soldering at controlled conditions for most metals, including copper, brass, bronze, nickel alloys, mild steel, and stainless steel.



Residue Removal

Due to the corrosive nature of this flux residue after soldering, **CW-901** requires removal of the flux residue. Complete residue removal can be accomplished by a chemical neutralizer rinse followed by several water washings. A first rinse in water with the addition of 2-3% HCl helps remove flux residues and facilitates better second- and third-stage cleaning. All flux residues should be thoroughly removed to prevent corrosion.

Storage

CW-901 has a shelf life of 2 years when stored in a dry, non-corrosive environment such as a low-humidity dry cabinet. Direct sunlight, excessive humidity, and storage near heat sources should be avoided.

Technical and Customer Support

Indium Corporation's internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of material science as it applies to the electronics and semiconductor sectors, Technical Support Engineers provide expert advice in solder properties, alloy compatibility and selection of solder preforms, wire, ribbon, and paste. Indium Corporation's Technical Support engineers provide rapid response to all technical inquiries.

Material Safety Data Sheets

The MSDS for this product can be found online at <http://www.indium.com/techlibrary/msds.php>

Commonly Available Diameters & Packaging

| Metric Units | | | | English Units | | | |
|---------------------------------|--------------|---------------|------------------|-----------------|--------------|---------------|------------------|
| Diameter | Spool Weight | SAC305 Length | 63Sn/37Pb Length | Diameter | Spool Weight | SAC305 Length | 63Sn/37Pb Length |
| 0.25mm ± 0.05 | 125 g | 368 m | 324 m | 0.010" ± 0.002" | 1/4 lb | 1097 ft | 966 ft |
| 0.40mm ± 0.05 | 125 g | 164 m | 144 m | 0.015" ± 0.002" | 1/4 lb | 487 ft | 429 ft |
| 0.50mm ± 0.05 | 500 g | 368 m | 324 m | 0.020" ± 0.002" | 1 lb | 1097 ft | 966 ft |
| 0.60mm ± 0.05 | 500 g | 236 m | 208 m | 0.025" ± 0.002" | 1 lb | 702 ft | 618 ft |
| 0.80mm ± 0.05 | 500 g | 144 m | 127 m | 0.032" ± 0.002" | 1 lb | 428 ft | 377 ft |
| 1.00mm ± 0.05 | 500 g | 92 m | 81 m | 0.040" ± 0.002" | 1 lb | 274 ft | 242 ft |
| 1.55mm ± 0.05 | 500 g | 38 m | 34 m | 0.062" ± 0.002" | 1 lb | 114 ft | 101 ft |
| Standard Flux Percentage | | | | | | | |
| 3% | | | | 2.7 to 3.2% | | | |

This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance

of the products described which are sold subject exclusively to written warranties and limitations thereon included in product packaging and invoices.

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