

## PRODUCT DATA SHEET

# CW-102 Non-Activated Rosin Flux-Cored Wire

### Introduction

**Non-Activated Flux-Cored Wire CW-102** is a type "R" flux to be used with legacy military contracts requiring a flux-cored wire meeting QQ-S-571F (or predecessor). **CW-102** contains pure Grade WW gum rosin.

### Features

- Contains Grade WW gum rosin
- Does not contain any additional activators
- Meets legacy specification QQ-S-571F type "R"
  - WRP2 or WRP3
- IPC J-STD Type ROL0

### Physical Properties

Halogen Content	<50ppm
Silver Chromate Halide Test	Pass
Fluoride Spot	Pass
Copper Mirror Corrosion	Pass
Corrosion	Pass
Color	Amber
Odor	Mild (rosin)
Recommended Flux %	2% (WRP2) 3% (WRP3)
Compatible Alloys	63Sn/37Pb, 60Sn/40Pb, SAC305, and Cobalt995 Most other alloys melting between 140–330°C

### Suitable for Soldering

- Gold
- Silver
- Solder coat
- Tin
- Clean copper

### Commonly Available Diameters and Packaging

Metric Units		English Units	
Diameter	SAC305 Length	Diameter	SAC305 Length
.254mm ± .051mm	595m	.010" ± .002"	1,950ft
.381mm ± .051mm	618m	.015" ± .002"	2,025ft
.508mm ± .051mm	347m	.020" ± .002"	1,140ft
.813mm ± .051mm	136m	.032" ± .002"	445ft

Values are only approximate. Actual lengths will vary.

### Storage

**CW-102** has a shelf life of 3 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.

### Safety Data Sheets

The SDS for this product can be found online at <http://www.indium.com/sds>

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