

Product Data Sheet

CW-102 Non-Activated Rosin Flux-Cored Wire

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

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.

Commonly Available Diameters & Packaging			
Metric Units		English Units	
Diameter	SAC305 Length	Diameter	SAC305 Length
.254mm ±.051mm	595 m	0.010" ±.002"	1950 ft
.381mm ±.051mm	618 m	0.015" ±.002"	2025 ft
.508mm ±.051mm	347 m	0.020" ±.002"	1140 ft
.813mm ±.051mm	136 m	.032" ±.002"	445 ft

Values are only **approximate**. Actual lengths will vary.

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

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.

Material Safety Data Sheets

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

Suitable for Soldering

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

This product data sheet is provided for general information only. It is not intended, described which are sold subject exclusively to written warranties and limitations and shall not be construed, to warrant or guarantee the performance of the products thereon included in product packaging and invoices.

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