

# PRODUCT DATA SHEET

# FP-500

## No-Clean Flux Pen

### Introduction

The **FP-500 No-Clean Flux Pen** utilizes a spring-loaded applicator tip to deliver a controlled amount of flux to the work surface. The user friendly pin-point application is ideal for touch-up and light assembly work. To apply, simply depress the tip of the flux pen against the work area to start the flow to the applicator tip.

### Features

- Halogen-free
- Sn/Pb and Pb-free compatible
- No over-fluxing of surface
- No waste
- Easy to handle
- No flux running on incline surfaces
- No cleaning after soldering

### Physical Properties

Test	Result
Flux Type Classification [J-STD-004 (IPC-TM-650)]	ROLO
Color	Amber
Specific Gravity @ 25°C (77°F) @ 15.5°C (60°F)	0.812 0.817
Acid Value	29.5
Solids Content	11.40
Flash Point (°F TCC)	54

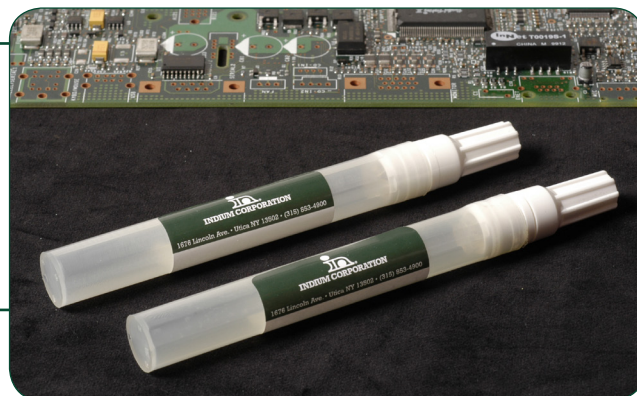
*All information is for reference only.  
Not to be used as incoming product specifications.*

### Packaging

Each pen contains 10 grams of liquid flux. Unopened flux pens have a shelf life of 2 years.

### Safety

Flammable liquids should be stored in a dry, well ventilated environment away from open flames, sparks, or direct heat.



### Bellcore Surface Insulation Resistance Test

Test Pattern	Boards	Initial Reading*	Final Reading*
Standard Bellcore	Control	$7.96 \times 10^{12}$	$1.63 \times 10^{13}$
	Pattern Up	$1.79 \times 10^{12}$	$6.33 \times 10^{12}$
	Pattern Down	$1.18 \times 10^{13}$	$1.50 \times 10^{13}$

*\*All readings expressed in Ohms.*

### Bellcore Electromigration Resistance Test

Test Pattern	Boards	Initial Reading*	Final Reading*
IPC-25	Control	$2.52 \times 10^{10}$	$2.31 \times 10^{10}$
	Pattern Up	$2.27 \times 10^{10}$	$2.45 \times 10^{10}$
	Pattern Down	$4.02 \times 10^{10}$	$3.04 \times 10^{10}$

*\*All readings expressed in Ohms.*

### Technical Support

Indium Corporation's internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of Materials 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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*All of Indium Corporation's solder paste and preform manufacturing facilities are IATF 16949:2016 certified. Indium Corporation is an ISO 9001:2015 registered company.*

## From One Engineer To Another®

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