

# PRODUCT DATA SHEET

# LV2K Flux Coating

## Introduction

In high-reliability industries, low-voiding continues to drive development of flux coating. **LV2K Flux Coating** is an ultra-low-voiding formula designed to improve performance and reduce process variability.

Coupled with an improved coating process, **LV2K** can be controlled well within the standard 0.5% by weight tolerance limit and ensures a complete and uniform coating. **LV2K** capabilities cover most geometries and sizes, and allows for a precise flux content to minimize volatiles while removing surface oxides.

**LV2K** is a high-performance, halide-free flux that meets the J-STD-004B ROL0 requirement. With precise control of flux content and ultra-low voiding, this next generation flux coating will help optimize the process.

## Features

- Ultra-low-voiding
- Ensures maximum co-planarity
- Halide-free; meets ROL0 requirements
- Tight flux tolerance; precise % by weight
- Durability for pick and place equipment
- Passes Telecordia testing in activated and unactivated states

## Alloy Offerings

Indium Corporation manufactures more than 220 alloys, including lead-free alloys, gold/tin, tin/lead, and bismuth alloys. **LV2K** is available with SAC and SnPb alloys, as well as pure indium and other indium-containing alloys. **LV2K** is compatible with solder ribbon, preforms, and InFORMS® products.

## Performance

**LV2K** will serve as a premier flux coating for high-reliability applications. Due to precise control of flux percentage, **LV2K** further reduces voiding to improve thermal management, structural integrity, and overall reliability of the end product.

## Packaging

**LV2K** is compatible with various packaging methods, including tape and reel, tray pack, or loose pack.

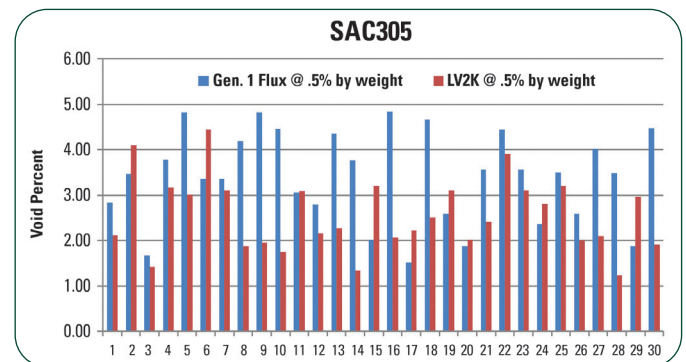
## Technical Support

Indium Corporation sets the industry standard in providing rapid response, onsite technical support for our customers worldwide. Indium Corporation's team of Technical Support Engineers can provide expertise in all aspects of Materials Science and Semiconductor Packaging process applications.

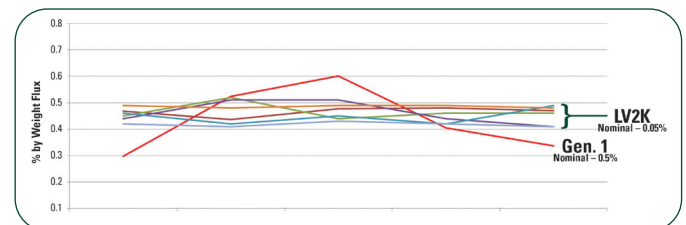
## Safety Data Sheets

Please refer to the SDS document within the product shipment, or contact our local team to receive a copy.

## LV2K Flux Coating vs. Gen. 1 Flux Coating

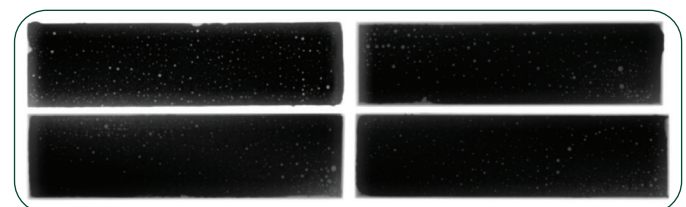


## Flux Distribution by Weight



## X-Ray Images

SAC305 LV2K@ .5%



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. All Indium Corporation's products and solutions are designed to be commercially available unless specifically stated otherwise.

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®

Contact our engineers: [askus@indium.com](mailto:askus@indium.com)

Learn more: [www.indium.com](http://www.indium.com)

ASIA +65 6268 8678 • CHINA +86 (0) 512 628 34900 • EUROPE +44 (0) 1908 580400 • USA +1 315 853 4900



Form No. 99820 (A4) R1

©2022 Indium Corporation