

Product Data Sheet

Package on Package (PoP) Flux 30B

Features

- Application by dipping or dispensing
- Halide-free
- Optimized for Pb-Free (SAC alloy) applications
- Excellent solderability with Cu-OSP, Au/Ni, and Immersion Ag finishes
- Air reflow
- Bubble-free packaging

Introduction

PoP Flux 30B is a thixotropic no-clean flux designed for package-on-package applications with Pb-free solders. **PoP Flux 30B** has a unique halide-free activator system that passes IPC SIR tests even before reflow. Precise control of flux volume and reflow are therefore not needed, and the flux may be dispensed, as well as dipped in the usual manner, offering significant equipment cost savings.

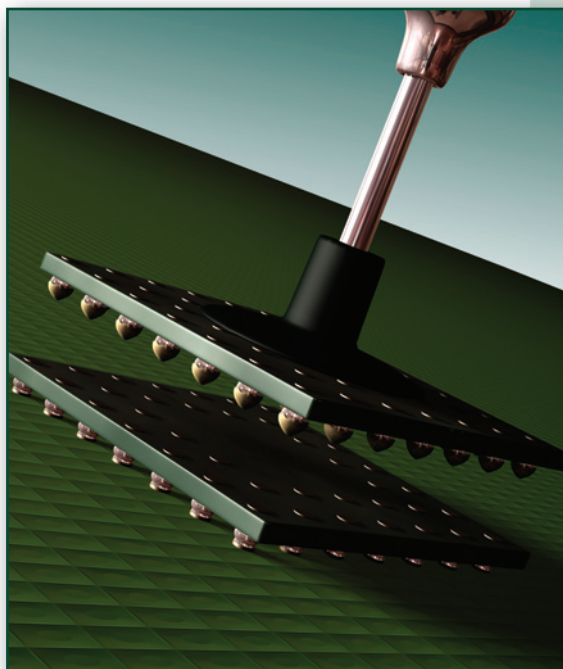
Properties

	Value	Test Method
Flux type Classification:	ROLO	J-STD-004 (IPC-TM-650: 2.3.32 and 2.3.33)
Typical Viscosity:	130kcps	Brookfield RVT - TF Spindle (5rpm) J-STD-004 (IPC-TM-650)
SIR (ohms, unreflowed)	Pass (>10 ⁹ after 7 days @ 85°C & 85% RH)	J-STD-004 (IPC-TM-650: 2.6.3.3 IPC-B-24)
SIR (ohms, after cleaning):	Pass (>10 ⁹ after 7 days @ 85°C & 85% RH)	J-STD-004 (IPC-TM-650: 2.6.3.3 IPC-B-24)
Typical Acid Value:	102mg KOH/g	Titration
Typical Tack Strength:	140g	J-STD-005 (IPC-TM-650: 2.4.44)
Shelf Life:	12 months (0°C - 30°C)	Viscosity change/ microscope examination
Color:	Yellow	Visual

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

Application

The volume of flux on the package can be optimized by changing equipment parameters. Key variables include: sphere size, sphere pitch, flux shear speed and dwell. Viscosity can be optimized per application by appropriate equipment setup.



Cleaning

PoP Flux 30B is designed for no-clean applications, and can be left in place on the final package. If necessary, flux residues can be removed by using a commercially available flux cleaner.

Packaging

PoP Flux 30B is only available in air-free 10cc or 30cc syringes.



OVER →

Form No. 98412 R0

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PoP Flux 30B

Storage

For maximum shelf life, **PoP Flux 30B** syringes and cartridges should be stored tip down. Storage temperatures should never exceed 30°C. After removing from cold storage, **PoP Flux 30B** should be allowed to stand for at least 4 hours at room temperature before using.

Technical Support

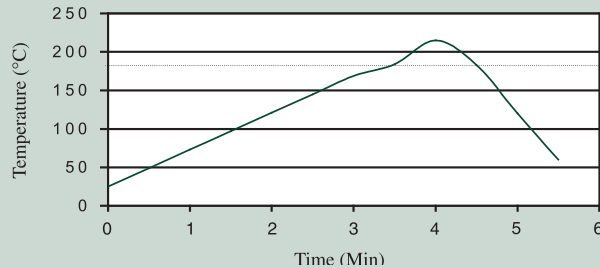
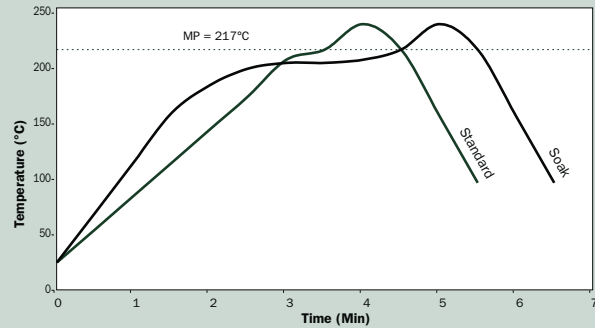
Indium Corporation sets the industry standard in providing rapid response, on-site technical support for our customers worldwide. Indium's team of Technical Support Engineers can provide expertise in all aspects of Materials Science and Semiconductor Packaging process applications.

Material Safety Data Sheets

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

Reflow

Recommended Profile:



Peak reflow temperature should be <250°C in an air or nitrogen atmosphere, with a linear ramp up to approximately 30°C above the solidus temperature

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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