

## PRODUCT DATA SHEET

# TACFlux<sup>®</sup> for Ball Attachment

### Introduction

TACFlux<sup>®</sup> 007, 018 and 023 are tacky fluxes designed for ball-mounting onto BGA and BGA sockets.

### Features

- Excellent wetting ability in air reflow
- No-clean
- Wide reflow temperature range

### Typical Properties

J-STD-004A (IPC-TM-650)			
Flux	TACFlux <sup>®</sup> 007	TACFlux <sup>®</sup> 018	TACFlux <sup>®</sup> 023
Flux Type Classification	ROL1	ROL0	ROL1
Compatible Alloys	All SnPb, high-Pb, AuSn	All SnPb, most SAC alloys	SnPb and all Pb-free alloys
Typical Viscosity	325kcps	282kcps	400kcps
Typical Acid Number	85	128	100
Typical Tack Strength	355g	149g	225g
Reflow Atmosphere	Air or nitrogen	Air or nitrogen	Air or nitrogen
SIR	Pass	Pass	Pass
Electromigration (Bellcore Test)	Pass	Pass	Pass
Cleaning	Not needed	Not needed	Not needed
Typical Reflow Residual Weight	47%	36%	42%

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

### Application

TACFlux<sup>®</sup> 007, 018 and 023 can be printed or used in pin transfer applications.

### Cleaning

TACFlux<sup>®</sup> 007, 018 and 023 are designed for no-clean applications. If necessary, the flux residue can be removed by using a semi-aqueous system, saponified water, alcohols, or other CFC-free alternatives.

### Packaging

TACFlux<sup>®</sup> 007, 018 and 023 are available in 150g cartridges, 10 and 30cc syringes, or 100g jars. Other packaging can be provided to meet specific requirements.

### Storage and Handling

The shelf life of TACFlux<sup>®</sup> 007, 018 and 023 is 12 months when stored at 0–30°C.

Flux should be allowed to reach ambient working temperature prior to use. Packaging should be labeled with date and time of opening.

### 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 these products can be found online at <http://www.indium.com/sds>



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<sup>®</sup>

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. 98186 R2



©2020 Indium Corporation