

SE-CURE 9665

No-Clean Soldering Flux for Indium Solder Thermal Interface Material

DESCRIPTION

Kester SE-CURE 9665 is no-clean liquid flux formulated with heat stabilized system for solder perform application. It is specially designed for Indium solder TIM soldering. Its low solid content and robust head stabilized system enable low voiding performance even after 3 to 5 reflow cycles. After reflow SE-CURE 9665 residues can be left on board and does not require cleaning. SE-CURE 9665 is designed for a wide range of temperature and humidity conditions.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

Performance Characteristics:

- Excellent soldering especially for Indium solder preforms
- Very low voiding even after multiple reflows for Indium TIM application
- Classified as ROL0 per J-STD-004

RoHS Compliance

This product meets the requirements of the Restriction of Hazardous Substances (RoHS) Directive, 2011/65/EU for the stated banned substances.

Physical Properties

Specific Gravity (typical): 0.8

Acid Number (typical): 6.48 mg KOH/g of flux

Reliability Properties

Corrosion Test: No Corrosion Tested to J-STD-004

SIR, IPC : Pass Tested to J-STD-004,

Standard Applications

SE-CURE 9665 was designed for flux spray applications. This flux works on flip chip with backside metallization and Indium solder TIM for integrated heat shield attach.

Dispensing/Jetting Parameters

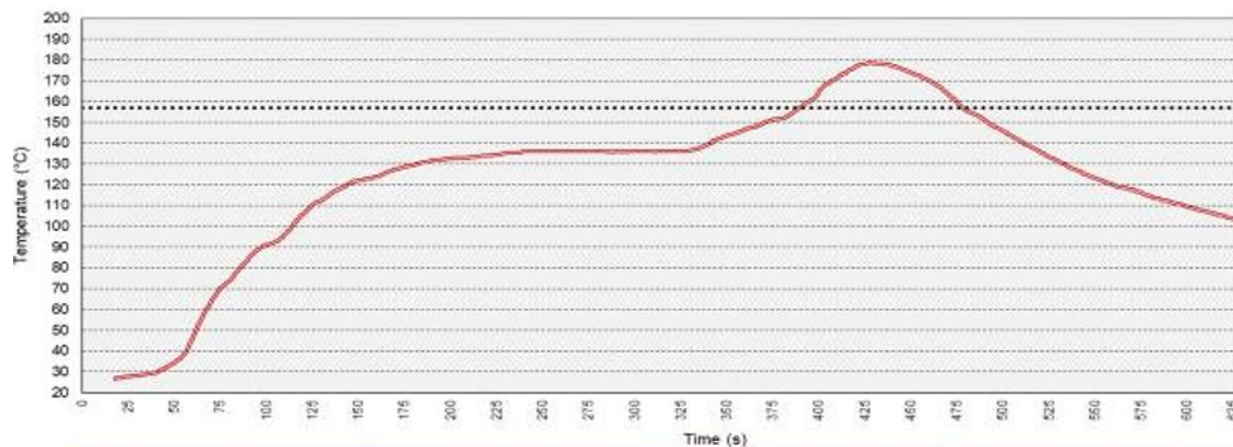
Temperature/Humidity

Optimal ranges are 21-25°C (70-77°F) and 35-60% RH

Recommended Reflow Profile

Reflow is recommended to be accomplished in inert controlled atmosphere.

The below table lists general reflow profile parameters for Indium solder TIM. If reflow profiling assistance is required, please consult Technical Support.



Soak Temperature	Soak Time	TAL Range	Peak Temperature
120-140°C	120-200 sec	70-120 sec	175-185°C

Cleaning

SE-CURE 9665 is a no-clean formula. The residues do not need to be removed for typical applications. If residue removal is required, contact Technical Support.

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available.**

STORAGE

SE-CURE 9665 is flammable and must be store away from sources of ignition. SE-CURE 9665 should be kept at 10-25°C (50-77°F). Please contact Kester if you require additional advice with regard storage and handling of this material. Shelf life is 12 months from date of manufacture when handled properly and held at recommended storage condition.

CONTACT INFORMATION

To confirm this document is the most recent version, please contact
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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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