

ALPHA BGA40 PASTE FLUX

Rework Paste Flux

DESCRIPTION

ALPHA BGA40 Paste Flux is a rework flux for BGA mounting. Either screen printing and stencil printing may be used for flux application. Post-soldering residue is highly reliable, and cleaning of flux residue is not required.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

PRODUCT INFORMATION

Packaging Sizes: 100 gram jar

RoHS Compliance: Complies with RoHS Directive EU/2015/863

APPLICATION GUIDELINES

ALPHA BGA40 may be applied by stencil printing, screen printing or pin transfer. Stencil printing is preferred.

Soldering Equipment:

ALPHA BGA40 can be processed by IR reflow hot plate reflow, vapor reflow, hot air reflow, as well as other application methods.

Residue cleaning:

Flux residue has high insulation resistance and post soldering cleaning is not required. If required, semi-aqueous cleaning with the EC-7 series of cleaners is recommended.

TECHNICAL DATA

| Category | Results | Procedures/Remarks |
|---|--|--------------------|
| Chemical Properties | | |
| Fluoride Spot Test | Pass | TR-TSY-000078 |
| Ag Chromate Test | Pass | IPC-SF-818 |
| Copper Mirror Test | Pass | JIS Z 3197 |
| Electrical Properties | | |
| Surface Insulation Resistance (7 days @ 85 °C/85% RH, 48V Bias, 100V test potential) | Pass , $\geq 1 \times 10^{10}$ ohms | |
| Physical Properties (Typical) | | |
| Color | Smooth, Pale Yellow Paste | |
| Acid Number (mgKOH/g) | 111.0 \pm 5.0 | |

PROCESSING GUIDELINES
Storage and Handling

1. Close the cap after use.
2. Dispose of paste flux that has not been properly stored and has dried out.
3. Use in a well-ventilated area to avoid inhalation of vapors and smoke while heating material.
4. Read SDS carefully before using product and safety recommendations.

RECYCLING SERVICES

We provide safe and efficient recycling services to help companies meet their environmental and legislative requirements and at the same time, maximize the value of their waste streams.

Our service collects solder dross, solder scrap, and various forms of solder paste waste. Please contact your local sales representative for recycling capabilities in your area or [link here](#).



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 at MacdermidAlpha.com/assembly-solutions/knowledge-base.**

STORAGE

The flux should be stored in sealed containers and need not be refrigerated. The shelf life of unopened containers at room temperature (19 to 25 °C / 66 to 77 °F) is 6 months from the manufacturing date. If the material has been chilled, the container should be allowed to reach room temperature before opening to prevent moisture condensation from ambient air onto the flux.

CONTACT INFORMATION

**To confirm this document is the most recent version, please contact
 Assembly@MacDermidAlpha.com
www.macdermidalpha.com**

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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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