

OL107F Solder Paste

【 Solder Paste for fine pitch printing application 】

FEATURES

Solder Paste OL107F is a solder paste whose flux system meets the requirements of fine pitch printing application.

- Stable viscosity realizes a long period of continuous printing (>24hours).
It reduces the waste of solder paste.
- The flux is applicable to paste in holes process. And the appearance of flux residues is clear.
- Also printability has been promoted due to its improved rolling property.
- Solubility has been promoted by using a unique activator system. It reduces the occurrence of solder ball, as well.

APPLICATIONS

OL107F is formulated for fine pitch stencil application. Tack life is over 24 hours, although it depends on the conditions. The following is an example of specification.

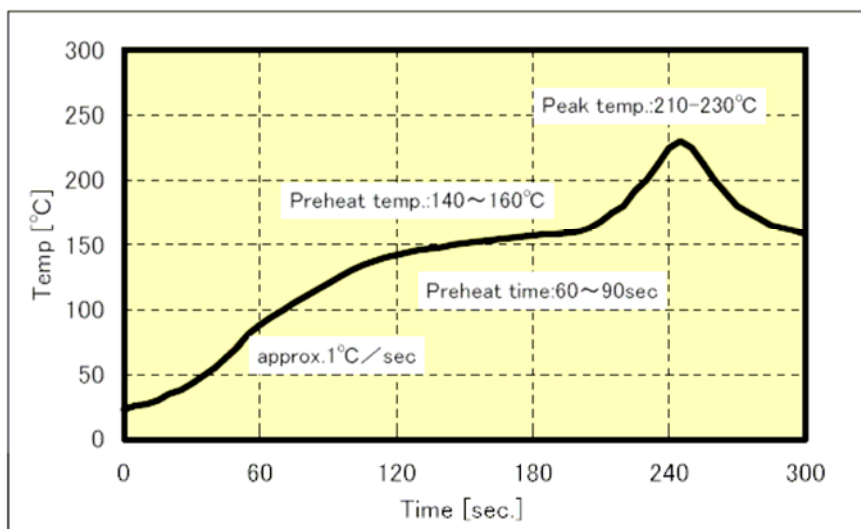
Regarding metal content and viscosity, various specifications are available. Please contact us for further information on the different specification.

Application	Alloy Type	Metal Content (Nominal)	Powder Size	Viscosity (Nominal)
Metal Mask Printing	63Sn/37Pb 62Sn/36Pb/2Ag NT4S	90%	Type 3 Type 4	200 Pa.s

FLUX PROPERTIES

Test Item	Results	Test Method
Solder Ball Test	Flocculation Rate: 1	JIS Z 3284 Appendix 11
Corrosion Test(Flux residues)	No color changed, Pass	JIS Z 3284 Appendix 4
Copper Mirror Corrosion Test	No copper peeled, Pass	JIS Z 3197 8.4.2
Silver Chromate Paper Test	No color changed, Pass	JIS Z 3197 8.1.4.2.3
Surface Insulation Resistance Test	$> 1.0 \times 10^{12}$	JIS Z 3284 Appendix 3a
Migration Test	$> 1.0 \times 10^9$ (@85 /85%RH/48Vdc/1000Hrs)	JIS Z 3284 Appendix 14
Tack Force Test	$> 100 \text{ gf}$ (@24hrs)	JIS Z 3284 Appendix 9
Hot Slump Test	No contact	JIS Z 3284 Appendix 8

REFLOW CONDITION (Example of 63Sn37Pb, 62Sn36Pb2Ag solder)



REMOVAL OF RESIDUES

No cleaning is required since the flux residues exhibit excellent results in corrosion resistance and insulation property without cleaning. If cleaning is necessary, a cleaner 'EC-7/7R(Alpha Metals)' is available.

STORAGE-HANDLING

1. Store in a cool dark place. (@1-10 °C)
2. The atmosphere of printer and dispenser is 23 – 25 °C and 40-60% RH.
3. Required warm-up of paste to room temperature before processing.
4. Close the lid of the container after work.
5. Do not use the dry portion of the paste. Remove the dry portion before use. OL107F doesn't contain organic solvent designated by regulations. However, avoid skin contact and fume inhalation.

PACKAGING

OL 107F is available in 500 g or 1 kg plastic jar.

The use and the data herein were confirmed by the tests conducted by Alpha Metals. Please conduct the test to confirm its applicability to Your own use.
The information contained herein may change without any notice.