



ESL EUROPE

SOLDER PASTES &
THICK-FILM MATERIALS

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SOLDER PASTE

3701-J

62Sn/36Pb/2Ag Alloy Solder Paste

3701-J is a solder paste with a rosin based mildly activated, flux system. This solder paste exhibits good printing properties and enables surface mounting of components to printed circuit boards and hybrid circuits. 3701-J uses standard 62Sn/36Pb/2Ag alloy powders. 3701-J has a particle size of -200/+325 mesh.

It is recommended that this solder paste is stored in a tightly closed jar in a dry environment at room temperature. Printed boards should also be stored in a dry environment. Printed boards, with components in place, can be stored for up to 3 days in clean, dry environments but it is recommended that reflow of the boards be carried out as soon as possible after the solder paste has been printed. If possible, do not return used paste to the original jar. After reflow, the flux residues can be removed using a proprietary cleaning liquid.

PASTE DATA

Rheology:	Screen-printable paste
Viscosity: (Brookfield RVTD, Helipath Stand, 5 rpm, TF spindle, 25.5 ± 0.5 °C)	600 ± 50 Pa.s
Solids:	89 ± 0.5 %
Shelf Life: (at 20 °C)	6 months

PROCESSING

Screen Mesh, Emulsion:	Screen 80 S/S, 150 - 200 µm Stencil: Laser cut, nickel formed or etched S/S 120 - 200 µm
Reflow Temperature Range:	see reflow profiles
Thinner:	ESL 600
Screen Life:	> 10 hours
Tack Time:	~ 70 hours

ESL Europe 3701-J 0507-C

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See Caution and Disclaimer on next page.

TYPICAL PROPERTIES

(225 ± 25 µm wet print thickness)

Approximate Coverage:

10 - 15 cm² / g

Printing Resolution:

(line / space)

0.300 mm / 0.300 mm

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CAUTION: Proper industrial safety precautions should be exercised in using these products. Use with adequate ventilation. Avoid prolonged contact with skin or inhalation of any vapours emitted during use or heating of these compositions. The use of safety eye goggles, gloves or hand protection creams is recommended. Wash hands or skin thoroughly with soap and water after using these products. Do not eat or smoke in areas where these materials are used. Refer to appropriate MSDS sheet.

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