

Sn50Pb50 CF60

No Clean Core Wire

Product Description

Over the last two decades, the electronics industry has been experiencing a rapid growth due to increasing use of electronic products in our daily life. The primary trend in these product designs is miniaturization. Products such cellular phones, personal computers and camcorders, are lighter, smaller, less expensive and at the same time, faster, more powerful, reliable, user-friendly and functional.

Using high purity chemicals and halide-free materials, Sn50Pb50 CF60 gives a non-corrosive, minimal, clear yellow tinted residue due which exhibits excellent electrical and thermal insulation properties. Sn50Pb50 CF60 is highly recommended for use in the no-clean process environment, thus eliminating the cost of cleaning.

Application

Sn50Pb50 CF60 no clean core flux solder wire is easy to use for automatic, manual, rework, point and brush soldering. For the best soldering results, the recommended parameters are shown:

Solder Iron Tips:	All Types especially the tapered types
Soldering Temp:	270 - 350°C
Soldering Time:	1 - 3 secs

- Keep solder iron tips clean.
- Tinned iron tips before use.
- Wear gloves when soldering to avoid contaminating the wire.

(Note: Soldering parameters are dependent on tip type, soldering station wattage configuration, wire diameter and type of applications.)

Specification

Item	Result
Alloy Composition	Sn50Pb50
Flux Content	2.0 +/- 0.3 wt%
Halide Content	Not added
<small>JIS Z 3197 8.1.4.2.1</small> Water Extract Resistivity	> 1 x 10 ⁴ Ω-cm
<small>JIS Z 3197 8.1.1</small> Surface Insulation Resistance (85°C, 85%RH, 168hrs)	> 1 x 10 ⁸ Ω, Pass
<small>IPC-TM-650 2.6.3.3</small> Electromigration (85°C, 88.5%RH, 596hrs)	Pass
<small>IPC-TM-650 2.6.14.1</small> Copper Corrosion Test	Pass
<small>IPC-TM-650 2.6.15</small> <small>JIS Z 3197 8.4.1</small> Copper Mirror Test	Classified as "L", Pass
<small>IPC-TM-650 2.3.32</small> <small>JIS Z 3197 8.4.2</small> Flux Activity Classification	ROLO
<small>IPC J-STD-004</small> Spread Factor	> 90%
<small>JIS Z 3197 8.3.1.1</small> Residue Dryness Test	Dry
<small>JIS Z 3197 8.5.1</small> Residue Appearance	Light Yellowish

Sn50Pb50 CF60 No Clean Core Wire

RESIDUAL REMOVAL

Since the residues are transparent, minimal, dry, non-tacky and practically inert after soldering, removal is usually not necessary. For assemblies that require cleaning, Sn50Pb50 CF60 no clean core flux solder wire can be completely removed by any solvent type flux cleaner available in the market.

STORAGE

Store the solder wire in a cool, dry and non-corrosive environment. Wrap up the solder wire when not in use to reduce exposure to environment. Sn50Pb50 CF60 no clean core flux solder wire can be kept for 2 years if proper storage conditions are observed.

HEALTH and SAFETY

Wear a chemical mask if the operators are allergic to the fumes released during soldering. For more information, please refer to Material Safety Data Sheet.

PACKAGING

Sn50Pb50 CF60 no clean core flux solder wire is commonly available in various diameters such as 0.5, 0.6, 0.8, 1.0, 1.2, 1.6 and 2.0 mm. For different diameters, please specify your requirements.

Packaging	0.25kg	0.50kg	1.0kg
Diameter (mm)	0.5 to 2.0	0.5 to 2.0	0.8 to 2.0

DISCLAIMER OF LIABILITY

"All statements, information and recommendations contained in this catalog are based on data and test results which we consider, to the best of our knowledge and belief, to be reliable and informative to the users but the accuracy and completeness thereof is not guaranteed. No warranty, expressed or implied, statutory or otherwise, is given regarding the use of the information and products contained in this catalog since the conditions and suitability for use, handlings, storage or possession of the products are determined by the users and are therefore beyond our control. We shall not be liable in respect of any liabilities, losses (including consequential losses), damages, proceedings, costs, claims or injuries whatsoever sustained or suffered by the users (including any third parties) in connection with the use of the information, recommendation and the products contained in this catalog."

Singapore Asahi Chemical and Solder Industries Pte Ltd

47 Pandan Road Singapore 609288

Tel: +65 6262-1616 Fax: +65 6261-6311

Website: <http://www.asahisolder.com> Email: enquiry@sinasahi.com.sg