



Tin-Lead Solder Paste

SH-10882HM

Rev. 2016/03/01 Ver. 02-01

BASIC OVERVIEW



Sn10Pb88Ag2 Solder Paste
Halide Free
No Clean
Low Voiding
High Melting Point

APPLICATIONS

High Temperature Tin-Lead SMD Solder Paste
Very High Operating Temperature Applications and PCB designs

FEATURES

Appearance	Gray paste w/o visible foreign and clusters	
Alloy Composition	Sn10/Pb88/Ag02	JIS-Z-3282
Melting Point	268~290°C	DSC
Particle Size	(Type 3) +45μm < 1% , - 20μm < 10% (Type 4) +38μm < 1% , - 20μm < 10%	IPC-TM-650, 2.2.14
Powder Shape	Spherical	
Flux Content	10.0 ± 1.0 wt%	JIS-Z-3197, 6.1.
Halide Content	0.0 wt% (in flux)	J-STD-004
Viscosity	200 ± 30 Pa.s (25±1°C, 10rpm, Malcom)	JIS-Z-3284 Annex 6
Flux Type	ROLO	J-STD-004

Alloy Detail Composition

(Pb)	(Sn)	(Ag)	(Cu)	(Zn)	(Al)	(Sb)	(Fe)	(As)	(Bi)	(Cd)
88.0 ± 0.5	10.0 ± 0.5	2.0 ± 0.2	0.05 MAX	0.001 MAX	0.001 MAX	0.05 MAX	0.02 MAX	0.03 MAX	0.1 MAX	0.002 MAX

(wt%)

Scan Code for Solder
Paste Documents





Tin-Lead Solder Paste

SH-10882HM

Rev. 2016/03/01 Ver. 02-01

PERFORMANCE & RELIABILITY

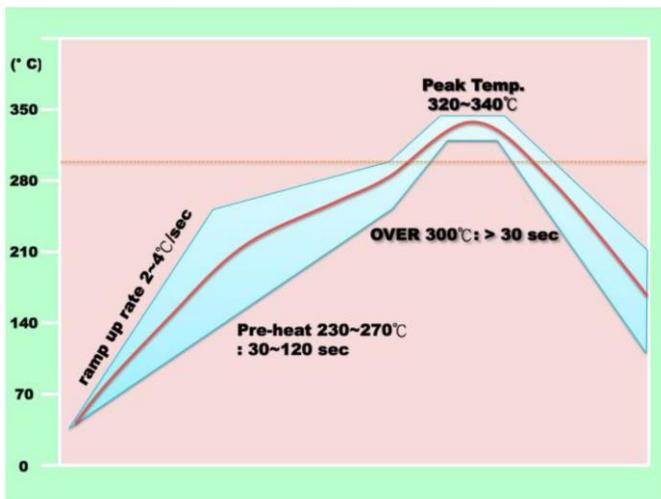
Copper Plate Corrosion Test	Pass	JIS-Z-3197, 6.6.1
Spreading Test	> 90%	JIS-Z-3197, 6.10
Silver Chromate Test	Pass	IPC-TM-650, 2.3.33
Copper Mirror Test	Pass	IPC-TM-650, 2.3.32
Fluorides By Spot Test	Pass	IPC-TM-650, 2.3.35.1
Viscosity Test (25°C, 10 rpm)	200 ± 30 Pa.s	JIS-Z-3284. Annex 6
Tackiness Test (gf)	> 130 (8hr)	JIS-Z-3284. Annex 9
Slump Test	Less than 0.3 mm	JIS-Z-3284. Annex 8
Solder Ball Test	Pass	JIS-Z-3284. Annex 11

S.I.R. Test	▲	> 1 x 10 ⁹ Ω, Pass	IPC-TM-650, 2.6.3.3
Electro Migration Test	◆	> 1 x 10 ¹² Ω, Pass	IPC-TM-650, 2.6.14.1

▲ Test Conditions : 85 °C, 85% RH

◆ Test Conditions: 65°C, 85% RH

RECOMMENDED REFLOW PROFILE



Ramp Up Rate (30-230°C): 2.0-4.0 °C/sec

Pre-heating Time (230-270°C): 30-120 sec

Time Period Above 300°C: > 30 sec

Peak Temperature: 320-340 °C

Ramp Down Cooling Rate: 1.0~6.0 °C/sec

Note: The recommended reflow profile is provided as a guideline. Optimal profile may differ due to oven type, assembly layout or other process variables.



Tin-Lead Solder Paste

SH-10882HM

Rev. 2016/03/01 Ver. 02-01

STORAGE & HANDLING:

- Refrigerate the solder paste at 0-10°C. Shelf life is 6 months from production date (sealed package).
- Keep away of direct sunlight.
- Allow the paste to reach defined printing temperature (room temperature) for 3-4 hrs. Do not heat up the solder paste rapidly.
- For jars packaging, mix the solder paste before use for 1-3 mins by plastic spatula.
- It is recommended to finish fresh paste within 24 hrs. Do not store used paste and fresh paste in the same jar.
- If printing process was interrupted for more than 1 hour, remove the remained paste from stencil and seal in the jar.
- Recommended printing environment is 22-28°C and RH 30-60%.

Note: For more information, please refer to solder paste application guideline sheet

HOW TO ORDER

SH10882 – HM – T3 – 500

Solder Alloy
SH+10882
= Sn10/Pb88/Ag2

Flux
HM = ROLO

Particle Size
T3 = 20-45µm
T4 = 20-38µm

Weight / Packaging
30 = syringe 30g
100 = syringe 100g
150 = syringe 150g
250 = plastic jar 250g
500 = plastic jar 500g
600 = small cartridge 600g
1200 = large cartridge 1200g



CONTACTS

Tel.: +49-152-5106-5427



support@nevo-solder.com



www.nevo-solder.com

NOTICE: Specifications are subject to change without notice. Contact NeVo® for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our product are made without responsibility or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures are indicated or that measures may not be required. Specifications are typical and may not apply to all applications.

NeVo®, Škrobárenská 506/2, 617 00 BRNO, CZECH REPUBLIC