

## Product Data Sheet

**Code Number : RH60-RB**

NO	Item	Specification	Standard
1	Appearance	Bright and shiny surface finishes	
2	Alloy	Sn60/Pb40	JIS-Z-3282 A CLASS
3	Melting Point	190°C	DSC
4	Flux Content	2.0±1 %	JIS-Z-3283
5	Halide Content	0.5~1.0%	JIS-Z-3283
6	Spread ability	> 80%	JIS-Z-3197
7	Gravity	8.5	
8	Packaging	200g, 250g, 500g, 1kg/Rool	JIS-Z-3283
9	Diameters Tolerances	0.3~0.6± 0.05 mm , 0.8~1.6 ± 0.1 mm	JIS-Z-3283
10	Flux Type	ROL1	J-STD-004
11	Features	Excellent solder joint reliability. Superior joint strength. Excellent thermal & Mechanical fatigue resistance. Low cleaning required after solder joint	
12	Purpose	For use in applications requiring good activation.	

### Physical Properties & Reliability Data

No	Test Item	Test Result	Test Method
1	Silver Chromate Test	PASS	IPC-TM-650, 2.6.33
2	Copper Mirror Test	PASS	IPC-TM-650, 2.6.32
3	Copper plate Corrosion	PASS	JIS-Z-3197, 6.6.1
4	S.I.R Test	1×10 <sup>9</sup> up	IPC-TM-650, 2.6.3.3
5	Electro migration Test	1×10 <sup>12</sup> up	IPC-TM-650, 2.6.14.1

### ALLOY COMPOSITION

(Sn)	(Pb)	(Sb)	(Cu)	(Bi)	(Zn)	(Fe)	(Al)	(As)	(Cd)
59~61	REM	0.12 MAX	0.05 MAX	0.10 MAX	0.002 MAX	0.02 MAX	0.002 MAX	0.03 MAX	0.002 MAX

**Headquarter and Factory:**  
**SHENMAO TECHNOLOGY INC.**  
**Shenmao Micro Material Institute**  
 No.12-1 Gongye 2<sup>nd</sup> Rd., Guanyin industrial area,  
 Taoyuan County 328 Taiwan, R.O.C.  
 Tel: 03-416-0177 Fax: 03-416-0133  
 Mail: [sales@shenmao.com](mailto:sales@shenmao.com)

**SHEN MAO SOLDER (M) SDN. BHD.**  
 NO.7 LORONG JELAWAT LAPAN, KAWASAN PERUSAHAAN  
 SEBERANG JAYA, SEBERANG JAYA, S.P.T. 13700,PERAI  
 PULAU PENANG, MALAYSIA  
 TEL : (60-4)3995259 · 3995349 FAX : (60-4)399525

**SHEN MAO SOLDERING TIN CO., LTD**  
 The 2<sup>nd</sup> Ind. Area Jiumen Village Hu Men  
 Town Dong Guan City , China  
 Tel: (86-769)-550-8193 Fax: (86-769)-550-4789

**SHEN MAO INDUSTRY (HK) LTD**  
 RM.1313-1314, 13/FL., Fo Tan Industrial Centre, 26- 28 Au Pui  
 Wan Street, Fo Tan, N.T., Hong Kong  
 Tel: (852)2697-3366 Fax: (852)2694-7533

### **SHENMAO SOLDER MATERIAL(SUZHOU)CO.,LTD**

No.1447,Chung San North Road, Wu Chiang economic Development Area, Sung Lin Town, Wu Chiang City, Suzhou  
 Province, P.R.C Tel: (86-512)6345-1092 Fax: (86-512)6345-1095