

SPECIFICATION

NAME : GUMMIX SB RMA LFM-48 3,5% Cored Solder Wire

| Lot No. | Type |
|---------|--|
| | GUMMIX SB RMA LFM-48 3.5% Flux Content 3.5% Dia(mm): 0.3, 0.38, 0.5, 0.65, 0.8, 1.0, 1.2, 1.6, 2.0 |

NIHON ALMIT CO., LTD

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1. Product Name : GUMMIX SB RMA LFM-48 3,5%

2. Scope : This spec. is specified for Almit GUMMIX SB RMA LFM-48 3.5% delivered by Nihon Almit Co., Ltd. to Company _____ .

3. Chemical Composition (%) :

| Composition | Principal Component | | | Impurities | | | | |
|-------------|---------------------|-------------|-------------|------------|-------|-------|--------|-------|
| | Sn | Ag | Cu | Pb | Sb | Bi | Zn | Fe |
| Standard | Remainder | 3.0 ±0.2 | 0.5 ±0.2 | ≤0.05 | ≤0.10 | ≤0.05 | ≤0.001 | ≤0.02 |
| Composition | Impurities | | | | | | | |
| | Al | As | Cd | | | | | |
| Standard | ≤0.001 | ≤0.03 | ≤0.002 | | | | | |

4. Physical Properties :

| Solidus | Liquidus | Specific Gravity |
|---------|----------|------------------|
| 217°C | 220°C | 7.4 |

5. Characteristics :

| | Characteristics | Test Methods |
|--|---------------------|--------------------|
| Solids Content, Flux (%) | 3.5 (3.0 - 4.0) | IPC-TM-650:2.3.34 |
| Copper Mirror Test | Pass | IPC-TM-650:2.3.32 |
| Silver Chromate | Pass | IPC-TM-650:2.3.33 |
| Corrosion Test | Pass | IPC-TM-650:2.6.15 |
| SIR (85°C,85%,168hr, measured out of Chamber) (Ω) | ≥ 1×10 ⁹ | IPC-TM-650:2.6.3.3 |
| Quantitative Halide | L1 <0.5% | IPC-TM-650:2.3.35 |
| Flux materials composition | Re | J-STD-004:1.2 |

6. Diameter, Net Weight and Allowance:

| Dia (mm) | | | | | | | | | Net Weight of One Spool (kg) | |
|----------|------|-----|------|-----|-----|-----|-----|-----|------------------------------|-----|
| 0.3 | 0.38 | 0.5 | 0.65 | 0.8 | 1.0 | 1.2 | 1.6 | 2.0 | 0.5 | 0.8 |
| ±0.05 | | | | | | | | | +0.01 | -0 |

7. Lot Size : 500 kgs (amount of single melting)

8. Packing :

| Individual Package | | Outer Package | |
|--------------------|-------------|---------------|-----------|
| Unit | Packing | Unit | Packing |
| 0.5, 0.8 kg | Plastic Bag | 5, 8 kg | Cardboard |

9. Identification :

| Spool | | Cardboard | |
|--------------|------------------------------|--------------|------------------------------|
| Name | GUMMIX SB RMA LFM-48 3.5% | Name | GUMMIX SB RMA LFM-48 3.5% |
| Flux Content | 3.5% | Flux Content | 3.5% |
| Diameter | mm | Diameter | Ø |
| Net Weight | Ex. 500 g | Net Weight | Ex. 5 kg |
| Lot No. | Ex. 04.5.-1 | Lot No. | Ex. 04.5.-1 |
| Maker | Nihon Almit Co., Ltd. | Maker | Nihon Almit Co., Ltd. |

10. Maker Address :

Nihon Almit Co., Ltd. Productive Engineering Center
8154-227, Uenohara, Kitatsuru-gun, Yamanashi, 409-0112 Japan

11. In case of changing this spec., it must be accepted by _____ .

12. This product is manufactured, using all guaranteed materials according to the "LAW ON INSPECTION AND MANUFACTURING OF CHEMICAL SUBSTANCES".

13. Shelf Life :

Up to two (2) years from the manufactured date (lot number).