

Product Data Sheet

Product Sn63 393-07

Solder wire

Date 19-05-11

Release 11.1

COBAR[®]

| Legend | |
|--------|--|
| 5 | Especialy made for this purpose |
| 4 | Generally qualified for this purpose |
| 3 | Generally usable, but not the best choic |
| 2 | Generally not usable for this purpose |
| 1 | Wrong choice |

| | |
|----------------------------|------------|
| ISO 9454-1 | 1.2.3.B |
| JIS Z3284 | 1.2.3.N.II |
| IPC-ANSI-J-STD-004 (Flux) | REM0 |
| No-Clean process | 5 |
| Post-solder cleaning | 4 |
| Consumer electronics | 4 |
| Mid-Rel electronics | 5 |
| Hi-Rel electronics | 5 |
| OSP compatible | 4 |
| Ni/Au compatible | 4 |
| Ag/Pd compatible | 4 |
| Ni/Pd compatible | 5 |
| Ag compatible | 5 |
| Sn compatible | 4 |
| Lead-free process | 1 |
| Manual soldering | 5 |
| Robot soldering | 3 |
| Rework/repair soldering | 5 |
| Moderate tip temperature | 4 |
| Promotes tip lifetime | 4 |
| Fast wetting | 4 |
| Reduces de-wetting | 4 |
| Reduces flux voiding | 4 |
| Reduces fuming | 4 |
| Cosmetic cleanliness | 5 |
| Brilliant joint appearance | 5 |
| ICCT compatible | 5 |
| Conformal coating | 5 |

| | |
|------------------------------------|-------------|
| Flux code | 393 |
| Number of flux cores | 5 |
| Alloy code | Sn63 |
| Alloy type | Sn63/Pb37 |
| Liquidus [°C] | 183 |
| Solidus [°C] | 183 |
| Minimum soldering temperature [°C] | 280 |
| Wire diameter [mm] | 0.7 |
| Flux [% w/w] +/-0.1 | 0.7 |
| Metal [% w/w] +/-0.1 | 99.3 |
| Filmformer(s) | Synthetic |
| Color of the residue | None |
| Acid number [mg KOH] +/- 2.5% | 210 |
| Halides AgNO ₃ test | Pass |
| Bellcore TR-NWT-000078/3 | |
| IPC/ANSI-J-STD-005 | |
| Test report(s) | |
| ISO-9001 certificate number | 45139 |
| Certificate of Compliance | Available |
| SPC-data** | |
| ISO-14001 certificate number | 76588 |
| Environmental Load Unit*** | 6.089 |
| VOC content [% w/w]**** | 0.00 |
| User's Guidelines | English |
| Packaging | PP 500 reel |
| [grams] | |
| Recommended shelf-life | weeks |
| Storage temperature [°C] | 20 104 |
| | 25 104 |

** Certain conditions apply.

*** See www.cobar.com/TQM/ISO14001 for further details.

**** Having a vapor pressure of >0.1 mm Hg at 20 °C

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