

## E-QUAL NC60 NO-CLEAN SOLDER WIRE DATA SHEET

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### GENERAL CHARACTERISTICS

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**EQNC60** solder wire is a synthetic cored solder wire. It is classified as no-clean, for applications including flowsolder and surface mount re-work. **EQNC60** does not contain halides.

The residues associated with colophony (rosin) based fluxes are eliminated by using this new generation flux. The problem of residues remaining when soldering by wire has been overcome with the introduction of synthetic cored **EQNC60** solder wire.

**EQNC60** solder wire can also be used for corrective action on circuits which have been soldered using conventional rosin type fluxes, then washed. The work carried out thereafter, possibly during testing, will eliminate the need for a second cleaning.

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### PHYSICAL CHARACTERISTICS

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The incorporated non-corrosive flux is channelled through three central cores inside the wire, which gives excellent efficiency. The smoke given off during melting is negligible. Solderability on copper substrates is good and excellent on tin plated surfaces.

Percentage of flux	0.8 - 1.3%
Makers classification	as RMA (performance)
Acidity	IA = 105 ± 5

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### DIN 8511 SPECIFICATION:

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FSW 34

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### S.I.R. TEST RESULTS

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Conditions:	5V, 20 days, 40°C, 93% relative humidity
Initial S.I.R. value:	>10 <sup>13</sup> ohms
S.I.R. Value After Test:	>10 <sup>12</sup> ohms

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### COPPER MIRROR TEST

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As per IPC - SF - 818

Result: Pass (No evidence of complete copper removal)

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## **SILVER CHROMATE PAPER HALIDE CONTENT TEST**

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As per IPC - SF - 818

Result: Pass

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## **STANDARD PACKAGING**

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Diameters and weights available:-

0.70mm - 1.00mm wound on to bobbins of 500g or 1.0kg

0.30mm - 0.50mm wound on to bobbins of 250g or 500g

For other diameters or packaging, please consult us.

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## **STORAGE AND USE**

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- a. Store in normal conditions at a temperature of  $20^{\circ}\text{C} \pm 10^{\circ}\text{C}$ , humidity reading to 90% maximum.
- b. The product has a useful working life of one year, it should be used within this time and not stored longer.
- c. The emission of fumes when using this product are negligible, however, it is recommended that fume extraction equipment is in operation.
- d. Temperature of use, soldering iron tip between  $300^{\circ}\text{C}$  and  $330^{\circ}\text{C}$ .

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## **AVAILABLE ALLOYS**

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***EQNC60*** can be incorporated as cored flux into the following standard high purity alloys and drawn into wire.

Sn 60 Pb 40 Sn 63 Pb 37 Sn 62 Pb 36 .Ag 2

For other alloys, please consult us for the latest information.

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