



TECHNICAL SAFETY DATA SHEET

EQ-STD

Purified Rosin Cored Solder Wire

Solder Wire - Manufactured in accordance with - EN29453, Bellcore TR-TSY-000078, B.S. 5625, B.S. 441, DIN 8516, QQS 571E, DIN8511, DTD 599A, B.S. 219, DIN 1707, JIS-Z-3382, ASTM-B32, NFC 90-550.

EQ-STD - The recommended Solder Wire for all professional soldering applications.

Our latest improved Rosin Cored Solder Wire Range using existing technology to guarantee peace of mind.

Non corrosive residues as per Bellcore TR-TSY-000078, B.S. 5625, B.S. 441, DTD 599A & QQS 571E.

EQ-STD offers versatility of product selection allowing the consumer to determine an acceptable specification of Solder Wire.

EQ-STD Solder Wire is designed to meet individual requirements of product service life, speed of soldering & acceptable residue levels.

Other High Purity Solder alloys include: Non Toxic Lead Free 99C, Low Melting Point, High Melting Point & Copper Loaded.

GENERAL CHARACTERISTICS

EQ-STD is classified as no-clean, for all applications including wave solder and surface mount re-work. EQ-STD flux is based on modified rosins which leave clear residues.

PHYSICAL CHARACTERISTICS

EQ-STD flux leaves clear residues which are non corrosive. Solder ability on copper substrates is good and excellent on tin plated surfaces.

Percentage of Flux	2.5% w/w
Acid Value	215 - 230 mg KOH/g
Halide Content	0.4%
Copper Mirror	Pass.
Chromate Paper	Pass.

CORROSION TEST

IPC SF 818	Pass (10 Days)
BS5625	Pass.
DTD 599A	Pass.
DIN 8516	Pass.
J.I.S.Z3197	Pass.

S.I.R. TEST RESULTS

IPC-SP-818

Conditions	168 Hours @ 85°C 85% RH
S.I.R. ohms	$3.43 \times 10^{\cancel{9}}$
Pass Mark ohms	10g

STORAGE AND USE

Store in normal conditions at room temperature.

Avoid excessive inhalation of the flux fumes. These are irritating to the throat and respiratory organs. Prolonged or repeated exposure may rarely result in sensitisation leading to occupational asthma. Suitable fume extraction equipment should be used to extract flux fumes away from operators. (This important issue is also catered for at Grosvenor please contact sales for information and prices etc.)

Lead is harmful if absorbed into the body through the digestive system or skin. Eating, drinking and smoking should not be permitted in the working area. Hands should be washed with soap and warm water after handling solder, especially before eating. **(Refer to MSDS)**

The tip of the soldering iron should be properly tinned and this may be achieved with 400 solder wire. However, this does depend on the initial condition of the tip. If it is in poor condition, it may be more effective to pre-tin the tip with DKL Tip Cleaner. Used correctly, this cleaner will leave the iron tip well tinned and free from any harmful residues which might be transferred to the work piece. For additional details contact Sales. For best results use an iron tip temperature between 340 - 420°C

All EQ-STD Cored Solder Wire is manufactured from the finest virgin materials, which are processed using extra purification techniques and sample tested to ensure product continuity.

EQ-STD Cored Solder Wire is manufactured to EN29453 : 1993

If you require any further information, technical or otherwise please contact our Sales Department

Whilst every endeavour has been made to ensure that the information given on this Technical Data Sheet is correct DKL Metals Ltd. give no warranty, expressly or implied relating to the use or performance of the product.

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