



EIE Enterprise (M) Sdn. Bhd. (944691-T)

EIE 960 Copper/Dross Remover

DESCRIPTION

960 is a refined halogen-free, Copper/Dross remover with sulfur being incorporated and blended into the anti-dross inhibitor powder. 960 have two functions, it act as a dross-inhibitor to convert solder-dross/oxides back to good solder, coupling the ability to remove contaminant copper impurity in the solder-pot. This formula is specifically designed for use *on Lead-Free alloy like Sn/0.7Cu and Tin/Lead solder application processes at Hot-Air-Leveling (HASL) PCBs fabrication and semi-conductors' leads solder-tinning process*. Expose bared copper substrate surfaces from PCBs and semi-conductor during solder-dipping will drag-into the solder-pot with copper impurity, gradually accumulated to not acceptable level. *Sn/0.7Cu contains less than 0.1% nickel being added to improve wetting and effects smooth bright shiny solder coating, hence after several copper remover treatment, nickel might have to be added to restore the shiny solder property.*

APPLICATION

Add about (150-200)gm of 960 Copper/dross remover each time into the wave-soldering still solder surface area, forming a thin blanket (about 2-4mm) when applied for treatment to remove copper impurity. Ideally, the solder-pot temperature should be set at (240-250)°C for copper removing treatment. Remove the used *carbonized compound and copper sulphide crystalline compound* formed during treatment process, prior raising the solder-pot to the operating temperature for production.

960 Treatment dosage guide:

For solder-pot capacity of (350-500)kg – dosage each time 1000gm 960 Copper remover can removed about 100gm(approximate 10% by wt.) copper per application treatment

Recommended each treatment dosage formula~ Solder-pot capacity x 0.2 (factor)= amount of Copper remover

PHYSICAL PROPERTIES

| | |
|---------------------------|---------------|
| Appearance | Yellow powder |
| Specific Gravity @25°C | 1.66 ± 0.02 |
| Flash Point (T.O.C.) | ≥260°C |
| Auto-ignition Temperature | >290°C |

STORAGE

960 Copper/Dross remover powder should be stored in well-ventilated, dry no direct sunlight ambient temperature environment.

PACKAGING

5, 10 kg per pail