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Resist Strip 1015

Product Code: 2708007
Revised Date: 10/31/2012

Resist Strip 1015

PRODUCT DESCRIPTION

Resist Strip 1015 is an aqueous solution formulated to strip aqueous dry film photoresists and alkaline soluble screen printing inks. The product offers extremely short strip times and long bath life in both spray and immersion applications.

Resist Strip 1015 will not oxidize the copper surface under normal operating conditions nor will it attack metal etch resists.

Resist Strip 1015 produces stripped particles of dry film photoresist that can be easily filtered. The effectiveness of the filtration process can noticeably extend the bath life of photoresist strippers.

Resist Strip 1015 completely removes the alkaline soluble screen printing inks by dissolving them in the resist stripping solution.

PRODUCT APPLICATION

This product may be employed in the following processes:

- dry film photoresist stripping (aqueous)
- alkaline soluble screen printing ink stripping

OPERATION PARAMETERS

| | |
|--------------------|---------------------------|
| CONCENTRATION | 3-5% BY VOLUME |
| TEMPERATURE | 120-130 F |
| APPLICATION METHOD | SPRAY AND IMMERSION USAGE |
| TIME | 30 SECONDS - 2 MINUTES |



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OPERATING BATH MAKE-UP

1. Fill the clean process tank with water to 50% of its final operating volume.
2. Slowly add the required amount of Resist Strip 1015 to the process tank with mixing.
3. Add water to the process tank to bring the tank to its final operating volume.
4. Mix thoroughly.
5. Turn on the heating mechanism and set to operational temperature.

CHEMICAL/ANALYTICAL CONTROL

- 1) Pipette 10 mls of the working solution into a 250 ml Erlenmeyer flask.
- 2) Add 100 mls of DI water.
- 3) Add 10-15 drops of Phenolphthalein indicator
- 4) Titrate with 1.0 N Hydrochloric acid to a clear endpoint, or to a ph of 8.5.
- 5) Record the mls of titrant used.

$$\% \text{ /vol Resist Stripper RS1015} = \text{ mls of 1.0 N Hydrochloric Acid} \times 0.59$$

| | |
|------------------------------------|---|
| CHEMICAL ADDITIONS | ADD RESIST STRIPPER 1015 TO MAINTAIN STRIP TIME |
| TYPICAL BATH pH AT LIFE EXPECTANCY | pH = 10.0-10.8 |
| BATH LIFE EXPECTANCY | 70-100 MIL SQUARE FEET OF DRY FILM PHOTORESIST PROCESSED PER GALLON OF OPERATING BATH |

EQUIPMENT CONSIDERATIONS

All equipment should be constructed of alkaline resistant materials such as PVC, Polypropylene, stainless steel (300 series) etc.



Product Bulletin

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SAFETY CONSIDERATIONS

Resist Strip 1015 and its solutions are strongly alkaline. Care should be taken in the proper use of this product. Safety equipment should include, but not be limited to goggles, gloves, and protective clothing when handling this product. Avoid prolonged breathing of the vapors. In event of skin or eye contact, remove contaminated clothing, wash with water and seek medical attention.

Resist Strip 1015 does not contain materials that are difficult to waste treat and is non-flammable.

It is best to review the Material Safety Data Sheets prior to handling this or any chemical.

WARRANTY

THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.