PROCIRC 1102

Resist Stripper

INTRODUCTION

Procirc 1102 Resist Stripper is an aqueous solution specifically formulated to remove alkali soluble dry films used in the manufacture of printed circuit boards. It contains powerful penetrants in order to achieve a fast and complete strip.

BENEFITS

- Fast removal of dry film photo resists
- Clean copper finish
- No attack of plated tin-lead
- High capacity giving long bath life

SOLUTION MAKE -UP

Procirc 1102 Resist Stripper 10% v/v with water

NB. During the use of Procirc 1102 Resist Stripper in spray applications, the use of an antifoam may be required.

Foam can be controlled using Procirc Antifoams, contact PMD Chemicals Ltd. for further information.

OPERATING DATA

Concentration	10% v/v in water
Temperature	45 – 50°C
Agitation	Preferred but not essential
Extraction	Recommended

EQUIPMENT

Tanks	Stainless steel, polypropylene or unplasticised PVC.
Heaters	Teflon coated, titanium, PTFE, Stainless Steel, all with thermostatic control.
Filtration	Rotary drum, bag or hydrocyclone recommended.

INSTALLATION

It is essential that the tanks to be used for Procirc 1102 Resist Stripper are thoroughly cleaned and leached before any product is introduced.

If in any doubt as to the cleaning procedure please contact PMD Technical Department.

1. Fill the clean empty tank with the appropriate volume of water.
2. Add the required volume of Procirc 1102 Resist Stripper and mix thoroughly.
3. Heat to operating temperature.

PROCESS SEQUENCE

1. Resist Strip in Procirc 1102 Resist Stripper.
2. Rinse.
3. Rinse.
4. Continue dependant upon application.

MAINTENANCE AND CONTROL

The solution should be analysed regularly and replenished as necessary.

Evaporation losses should be replaced with water.

Concentration losses should be replaced with Procirc 1102 Resist Stripper.

When the stripping rate becomes unacceptable the solution should be replaced.

ANALYSIS METHOD

Reagents

1.0 N hydrochloric acid (standard volumetric solution).

Phenolphthalein indicator.

Method

1. Pipette 20 ml working solution into a 250 ml conical flask.
2. Add approximately 50 ml water and mix thoroughly.
3. Add 2 - 3 drops of phenolphthalein indicator and mix thoroughly.
4. Titrate with 1.0 N hydrochloric acid to colourless end-point.
5. Record titre = t ml.

Calculation

t x 0.8 = % concentration MFS 1102 Resist Stripper.

Replenishment

For every 1% drop in concentration add 10ml/l MFS 1102 Resist Stripper.

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
Procirc 1102 Resist Stripper	945041

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