

102V Deburring and softening solutions

102 V-去毛刺软化液

一、Introduction

102V is specifically designed to remove excess overflow materials from microelectronic products after packaging. 102V can remove excess overflow materials from products at a temperature of 75 – 95 degrees. During the process of removing overflow materials, 102V will not attack the metal materials of the lead frame, such as copper and its alloys, as well as the packaging resin.

二、Advantages and Features

1. Suitable for all electronic plastic-sealed products.
2. Does not attack metal substrates.
3. No mechanical removal of glue residues is needed after treatment; high-pressure water spraying is sufficient.
4. Low COD (Chemical Oxygen Demand).
5. Essentially odorless.

三、Properties

Item 项目	102V	Remarks
Appearance	Clear or light brown liquid	Determination of appearance: Take an appropriate amount of sample and inject it into a 50mL colorimetric tube. Under sunlight or fluorescent lamp transmission, visually inspect directly. It should be a clear light brown liquid with no visible impurities.
SG	0.95-1.15(25°C)	Determination of density: Measured with a hydrometer as specified in GB/T4472.

四、Equipment Requirements

1. TANK: PVC tank.
2. Ventilation: Installed directly above the TANK.
3. Heater: Teflon (may not be used).
4. Cleaning tanks: 2 PVC tanks are sufficient.
5. Compressed air: It is advisable to blow dry after cleaning.

五、Bath Preparation

Use the original solution.

六、Operating Conditions

Product	Concentration	Temperature	Time
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102V Deburring and softening solutions	1000ml/l (Use as an undiluted stock solution, no need for dilution)	75-95°C	40—90min Depending on the condition of the overflow material.
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七, Maintenance

After being treated with 102V, components must be thoroughly cleaned and dehumidified with an air gun before electroplating. Due to carry-over loss, the liquid level of the solution will gradually decrease, and it can be replenished with 102V stock solution. The

tank replacement frequency is approximately 3 months.

八, Storage

Store in a dry place at 10-30°C and protect from light.

九, Safety

1. If it splashes on the skin, rinse immediately with plenty of water.
2. If it splashes into the eyes, first rinse with plenty of water.
3. It is strictly forbidden to directly smell or drink it.

十, Packaging/Shelf Life

25 Kg/drum, with a shelf life of 12 months.

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