



INSTRUCTIONS FOR USE - ENGLISH

601.2 RESIN

COLD MOUNTING

Monocomponent acrylic resin

601.2 Resin is a transparent fluid resin which polymerizes using light to produce metallographic mountings at room temperature. The primary applications are semi-conductors, micro-electronics, medical and optical materials, electronics and micro-systems.



Material

601.2 Resin is a monomeric acrylic based resin which polymerizes using light.

Properties

601.2 Resin polymerizes in the visible blue light spectrum of the M.M.866 device. The resin begins to polymerize when it is irradiated by the M.M.866 device.

601.2 Resin is easy to manipulate, quick and safe, used without pressure at a low polymerization temperature. There are no cracks when used correctly. The polymerized material can be ground, cut, drilled, modified and polished.

Advantages

- High fluidity and good penetration.
- No loss of product (the resin has a single component).
- Polymerizes using light.
- Optimum transparency.
- No air bubbles.
- Resistant to alcohol and acids.
- Vacuum usage, no escaped gas, can be used with a REM.
- Does not require ultraviolet. Use with blue light only.

Preparation

The sample surface exposed to 601.2 Resin must be clean and grease-free before mounting. Clean using ethanol or isopropyl alcohol. We recommend using polyethylene moulds such as LAM PLAN removable bottomed mounting moulds.

Polymerization

Polymerization is possible in blocs or layers. Large samples must be mounted in successive layers. Polymerization takes place whilst using the M.M.866 device. The process has been developed for 601.2 resin.

- 1- Pour 5 mm of 601.2 resin into a mounting mould.
- 2- Place the sample, avoiding air bubbles.
- 3- Place the sample to be mounted on the glass disc in the drawer of the M.M.866 (follow the M.M.866 instructions).
- 4- Exposure time: 3 minutes.
- 5- Fill the mounting mould with 601.2 resin. Do not allow the resin to overflow.
- 6- Polymerization is complete after 20 minutes.

The maximum polymerization temperature is 90°C. If a lower temperature is required, it is recommended that mounting is carried out layer by layer. Each layer must be exposed for 3 minutes. The final polymerization time is still 20 minutes. The polymerization time must be adhered to. Final hardening of the material takes place when the sample comes back to room temperature.

Varnish

In order to avoid the sticky area on the upper part of the embedding it is advisable to use the Varnish for resin 601.2. CODE 06 01602 00.

Safety advices

Before using this product, please consult the safety data file available for download at www.lamplan.com.

Storage

Store in a closed, air-tight container in a cool, dark place (maximum 25°).

Expiry date

The expiration date is mentioned on the product packaging.

Format

Liquid.

Kit: Resin 601.2, 1 l + varnish 100 ml - CODE 06 00601 00
Resin 601.2, 1 l - CODE 06 01601 00
Varnish, 100 ml - CODE 06 01602 00

M.M.866: blue light mounting device

CODE 08 00866 10



CODE: EEMPLR601