Candulor Zähne

Lebende Zahnformenkarte
La carte de formes vivantes
Carta de formas vivientes

Working mould guide
Tabella forme in vivo
Levende vormenkaart

AESTHETIC Basismaterial

Heisspolymerisat
Résine de base thermopolymérisante
Warmpolymerisaat

Heat curing denture base material
Polimerizzante a caldo
Termopolimerizable

AESTHETIC Autopolymerisat

Kaltpolymerisat
Résine de base autopolymérisante
Koudpolymerisaat

Cold curing denture base material
Polimerizzante a freddo
Autopolimerizable

C-Plast

Löffelmaterial
Résine pour porte-empreintes
Lepelmateriaal

Tray material
Resina per porta-impronte
Material para cubetas

Iso-K

Isolierflüssigkeit für alle Kunststoffe
Liquide isolant toutes résines
Isolatievloeistof voor alle kunstharsen

Separating liquid for all types of acrylic
Liquido isolante per tutte le resine
Separador para todo tipo de resinas

Candulor
KunstZahnWerk

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BasePlast

Heisspolymerisat
Heat Curing
Résine thermo-polymérisante
Polimerizzante a caldo
Warmpolymerisaat
Termopolimerizable

CE 0120

Verarbeitungsanleitung
Instructions for Use
Instructions de mise en œuvre
Istruzioni d'uso
Gebruiksaanwijzing
Instrucciones de uso

Candulor
KunstZahnWerk

English

BasePlast acrylic hot curing denture base material

Introduction

Dear customer,
The product that you have purchased qualifies as a medical device under European Directive 93/42/EEC. Please ensure that you file the lot number and product name in your administrative system on receipt of the product. For each piece of work that you produce, please make a note of all the materials used along with all the appropriate lot numbers. For your own protection as well as for the protection of your patients and the environment, please also follow the important guidelines in the following Instructions for Use:

Product description

BasePlast denture base is a PMMA-based hot curing acrylic for use with the packing technique. It is easy to handle and ensures a comfortable fit for the patient.

A veined version is also available. To achieve the best results, please follow the instructions given in this leaflet.

Benefits

- Pleasant to handle
- Enhanced dimensional and colour stability
- Colour matched to AutoPlast

Colours

Pink-V	pink, veined
Pink-K	pink, transparent
34	opaque dark pink, veined

Pack sizes

	Polymer	Monomer
Standard pack	1.000 g	500 ml
Lab pack (incl. dosage system)	2.500 g	1.000 ml

Pack sizes may vary from country to country. Please consult your local dealer. All polymer and monomer units can also be supplied individually (without dosing system).

Composition (% weight)

Monomer

Methyl methacrylate (CAS No. 80-62-6)	> 92.0 %
Dimethacrylate (CAS No. 97-90-5)	< 8.0 %

Polymer

Polymethyl methacrylate (CAS No. 9011-14-7)	> 98.0 %
Benzoyl peroxide (CAS No. 94-36-0)	< 1.0 %
Pigmentation and catalyst	< 1.5 %

Complies with ISO EN 1567 Type 1, Class 1

Safety data sheets can be found on our website at www.candulor.com

Storage instructions

Store the material in a cool, dark, well-ventilated place.
Storage temperature: 12–28 °C / 54–82 °F
Do not use the material after the expiry date.
Keep out of the reach of children.

Indication

- Full dentures
- Partial dentures
- Combination dentures
- Relining

Contraindication

Avoid direct contact with unpolymerised material within the oral cavity.

Side effects

No systemic side effects have been reported to date. In individual cases, local allergic reactions to PMMA/MMA-based denture base materials have been reported. If a patient is known to be allergic to any of the ingredients in BasePlast, the material must not be used.

Danger warnings

- The monomer contains methyl methacrylate (MMA)
- MMA is an irritant and easily flammable (flash point: + 10 °C / 50 °F)
- MMA and its vapours are irritating to the eyes, skin and respiratory system
- May cause sensitisation upon skin contact
- Do not inhale vapours
- Keep away from sources of ignition – no smoking
- Do not empty into drains
- Avoid contact of the skin with monomer and uncured material. Many commercial gloves, e.g. those made of latex or vinyl, are not monomer-resistant and therefore do not provide protection against the sensitising effect of methacrylates
- Wear a mask when grinding and use a suction removal system
- Always use a spatula when handling the mixture

Warning

This material has been developed solely for use in dentistry and must be handled strictly in accordance with the Instructions for Use. The manufacturer cannot be held liable for any damages arising as a result of failure to observe the Instructions for Use or the stated area of application. The same applies in the event that the product is mixed or processed with other manufacturers' products. The user shall be solely responsible for testing the material with respect to its suitability prior to use for any purpose other than those explicitly stated in the instructions.

CAUTION: US Federal law restricts this device to sale by or on the order of a licensed dentist.

English

Instructions for Use

1. Preparation

The boiled-out precasts must be warm (approx. 40–50 °C) and the plaster surfaces must be well wetted. Isolate the surfaces with two applications of Candulor ISO-K and allow to dry thoroughly. To ensure proper bonding with the denture base, roughen the teeth well, then wet with monomer.

2. Dosage

Ideal mixing ratio for one denture:
23 g polymer : 10 ml monomer

Dosage system
The integrated dosage system ensures an ideal mixing ratio and minimum polymerisation shrinkage of BasePlast. The scale on the monomer cylinder is in millilitres, on the polymer beaker in grams.

Too high a monomer content will alter the shade, consistency and handling properties of the material. This may also inhibit polymerisation, possibly leading to irritation of the mucous membranes and to porosity.

3. Mixing

Mix together the powder and liquid, based on the recommended ratio, and blend thoroughly using a spatula. Cover the mixing beaker and leave to prove for approx. 10 minutes at room temperature (23 °C / 73 °F).

Mix the powder and liquid thoroughly.

4. Working time

After the proving time, as soon as the material no longer sticks to your fingers, it can be processed for approx. 20 minutes at 23 °C / 73 °F.

The higher the room temperature, the shorter the working and setting times.

5. Pressing

Place an ample amount of the mixture in one half of the flask which must be at body temperature (40 °C / 104 °F), and which you have previously wetted and isolated with Candulor Iso-K. Close the flask carefully, place it under the press and apply a pressure of 80 bar, or fix with a clamp.

Do not change the pressure intensity.

6. Polymerisation

The dental technician can choose between 2 different methods of heat curing:

Standard processing:
Place the closed flask in cold water, heat to 100 °C (212 °F) and boil for 45 minutes. Residual monomer: < 2.2 %

- **Alternative method of processing:**
  Place flask in boiling water, heat up the water again and boil for 20 minutes.
  Only suitable for small to medium-sized dentures.
  Do not exceed a material thickness of 1 cm.

By using the ideal mixing ratio and the recommended methods, a residual monomer content of < 2.0 % can be achieved.

7. Cooling

Leave the flask to stand at room temperature for at least 30 minutes and then cool down completely in cold water.

Make sure the flask has cooled completely before opening. Avoid cooling quickly in cold water (causes stress cracks).

8. Removal and finishing

Open the completely cooled flask and remove the plaster. Check the occlusion of the denture, then finish and polish in the usual way. Rinse with Candulor KMG after the preliminary and high-gloss polishes.

Repair and correction

Repairs or corrections may be carried out using either AutoPlast or Aesthetic cold curing material. The contact surfaces must be well roughened and wetted with monomer. The material to be used for the repair work must be processed using the pouring technique.