



BEGO PMMA SPLINT E

PROCESSING INSTRUCTIONS

for CAD/CAM-produced
occlusal splints

BEGO PMMA Splint E

Thermoplastic occlusal splints

The milled occlusal splints made of BEGO PMMA Splint E are characterized by their thermoplastic flexibility. This results in highly precise adaptation to the tooth situation and extraordinary, stress-

free wearing comfort for the patient. What's more, the self-adjusting occlusal splint is also extremely resilient to breakage and boasts a high level of transparency.

Indications

Material for the production of dental occlusal splints:

- Therapeutic splints
- Reflex splints
- Repositioning splints
- Stabilization splints

Contraindications

BEGO PMMA Splint E should not be used for any purposes other than the generative CAD/CAM production of dental occlusal splints. The production of denture bases is contraindicated, as is the use of the material for the production of conventional splints. Undesirable biological reactions (e.g., allergies to material components) may occur in isolated cases. Occlusal splints made of BEGO PMMA Splint E are contraindicated in cases of known incompatibilities or allergies to material components.

Wall thicknesses / CAD modeling

As a general rule, the parameters of occlusal splints always depend on the situation and the construction and are to be customized according to the dental technical and dental doctrine. After fitting and polishing the splint, a minimum occlusal thickness of 0.9 mm must be ensured. For esthetic reasons, a labial reduction to 0.8 mm is permissible. If present, corners and

edges must be rounded. This can be verified with the validation tool in the 3Shape Dental Designer*.

Note to the practitioners for transmission to the patient: If the construction is changed due to use, e.g. cracks, turbidity or clear signs of abrasion a repair or new fabrication is necessary. The monitoring should be carried out by a regular inspection of the splint within the scope of the presentation in the dental practice.

Post-processing of the objects

The splints produced from BEGO PMMA Splint E can be processed using suitable cross-cut carbide cutters or cutting discs suitable for composites. Furthermore, subsequent polishing of the splints is also essential so as to avoid any plaque deposits. The prepolishing is performed with suitable silicone polishers and goat's hair brushes; the high-luster polishing is performed with a corresponding polishing compound. In order to avoid fitting inaccuracies, it is important to ensure that not too much heat is generated during the finishing and polishing.

Cleaning the objects

Due to the high heat involved, the objects should not be steam cleaned before further processing. Instead, use an ultrasonic bath at a maximum temperature of approx. 35°C. Cleaning solutions are not recommended.

* This symbol is a commercial designation/registered trademark of a company which is not part of the BEGO company group.

Technical data

Chemical composition in %

Poly(m)ethylacrylate and cross-linking copolymers of methacrylic acid	> 90 %
1,2-cyclohexane dicarboxylic acid diisononyl ester	< 10 %

Material data

Flexural strength (23°C)	> 20 MPa
Flexural strength (37°C)	< 20 MPa
Density	Approx. 1.1 to 1.2 g/cm ³
Color	Clear transparent

Notes

Restorations are custom-made devices in accordance with the Directive 93/42/EEC. Record the BATCH no. for every procedure requiring identification of the material.

Storage

No special precautions necessary.

Hazard information

Processing of BEGO PMMA Splint E produces dusts which can irritate the eyes, skin, and airways. As such, it is essential to ensure the extraction unit at your workplace is in perfect working order.

Disposal

Restorations made of BEGO PMMA Splint E are not water soluble, are inactive, and do not present a hazard for groundwater. As such, they can be disposed of as domestic waste without any special precautions.

Warranty

Our recommendations concerning the application technique, irrespective of whether they are communicated orally, in writing, or by means of practical instructions, are based on our own experiences and tests. As such, they are intended as guidelines only.

We are continually striving to improve our products. Consequently, we reserve the right to make changes to their design and composition.

Use

For use by qualified specialists only.

Rx only



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