



Thermoplastic milling blanks made of
BEGO PMMA SPLINT E

Partners in Progress



BEGO PMMA Splint E

Milling blank for the generation of occlusal splints with thermomemory effect

Milling blanks made of BEGO PMMA Splint E are characterized by a thermoplastic flexibility with thermal memory effect. Due to the industrial production process the highest material homogeneity is achieved, which guarantees outstanding long-term stability. The use of CAD/CAM technology also ensures a safe process because mixing errors (e. g. by hand mixing) are eliminated.

The special material properties result in highly precise adaptation to the tooth situation and extraordinary, stress-free wearing comfort for the patient. Furthermore, the self-adjusting bite splint is extremely fracture-proof and has a high optical transparency.



Images and illustrations are examples. Colors, symbols, designs, and information on the depicted labels and/or packaging may differ from reality.

HIGH AND PRECISE

ADAPTATION

TO THE TOOTH SITUATION

BEGO PMMA Splint E

Special features at a glance and technical details

The advantages for you

- High and precise adaptation to the dental bite situation
- Exceptional, tension-free functional comfort for the patient by thermomemory effect
- Extremely fracture-proof
- Highest thermomemory effect on market (returns to original shape between uses)
- High optical transparency
- No adverse taste

Product details

Chemical composition

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
Self-alignment (37°C)	> 95%
Density	approx. 1.1 to 1.2 g/cm ³
Color	transparent

Availability

Availability	Diameter	Contents	REF
Milling blank PMMA Splint E – 20 mm	98,5 mm	1 Piece	71200
Milling blank PMMA Splint E – 16 mm	98,5 mm	1 Piece	71201

EXCEPTIONAL, TENSION-FREE FUNCTIONAL

COMFORT

FOR THE PATIENT BY
THERMOMEMORY EFFECT

BEGO PMMA Splint E

Product description

- The high-tech plastic is included in the group of smart materials* and is designed to generate functionally therapeutic occlusal splints
- BEGO PMMA Splint E becomes flexible and thus self-adjusting from 27°C thanks to its thermoactive property
- The material's thermomemory effect translates into the highest self-aligning torque at room temperature available on the market
- Splints made of BEGO PMMA Splint E are extremely tear- and fracture-proof, in addition to being long-lasting and permanently transparent
- The material's composition satisfies high medical standards. The BEGO PMMA Splint E does not contain any phthalate-based softeners; it only features flexibilizers approved for medical technology applications. This significantly reduces the material's irritation and sensitization potential
- The use of high-quality raw materials ensures a high level of biocompatibility and very good tolerability
- The unique production process eliminates any adverse effects on taste sensation

*Smart materials (also known as responsive materials) is a term used to refer in a narrower sense to materials that were specifically developed to independently respond to changing ambient conditions (such as temperature) in a specific way. This change is reversible.

**SELF-ADJUSTING,
EXTREMELY FRACTURE-PROOF,
HIGH OPTICAL TRANSPARENCY**

BEGO PMMA Splint E

Milled splints by BEGO Medical

We also offer you milled splints from our milling center in Bremen. Send us your file of the designed splint (in *.STL, *.BEGOSTL, *.3ox or *.3oxz format) and we'll mill the splint in our very own production facilities. BEGO Medical customer support will be more than happy to provide you with the necessary design parameters.

General information

User Support

(for technical enquiries)

Service hours

Mon. – Thu. 08:00–18:00 Uhr
Fri. 08:00–17:00 Uhr

Contact

Telephone +49 421 2028-200
E-Mail info@bego-medical.de

Contact and service

(ordering service, invoicing queries)

Service hours

Mon. – Thu. 08:00–17:00 Uhr
Fri. 08:00–16:00 Uhr

Contact

Telephone +49 421 2028-220
Fax +49 421 2028-240
E-Mail sales@bego.com



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