



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

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#### 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 <sup>3</sup>
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**



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