

POLYMER HEROES



CLOSE TO YOU

Tested, clinically proven, 100 % biocompatible.

CAD/CAM high performance
polymers for all indications and
quick milling strategies.



Come up onto the winner's podium...

... on the way to the medal, the olympic heroes shine through extraordinary skills and top performance. Successes that burn into the collective memory and produce legends. Sports heroes fascinate people because they show what is possible.

With the Polymer Heroes from Dental Direkt, you have a full range of strong and durable high performance polymer CAD-CAM materials for all indications. In the process, our development has trained very hard in terms of overall quality and durability and remains true to its tactics.

This has also led the DD zirconium oxides in production to the winner's podium: We do not make any compromises when it comes to top dental products and rely solely on quality and safety.

The advantages for dental technicians:

The tested and clinically proven materials are a 100% biocompatible. The material composition supports fast milling strategies and saves time and money. This way we are sending real winners into the race, with guaranteed success – we promise!

So let's give the Polymer Heroes the big stage to become great legends.



Let's welcome the newcomers to our Polymer Heroes



DD base P HI fast, faster, amortized

- High stability through high impact modification
- Very good polishability
- Very good connection to denture teeth



DD Bio Splint FLEX Acrobatics at the highest level

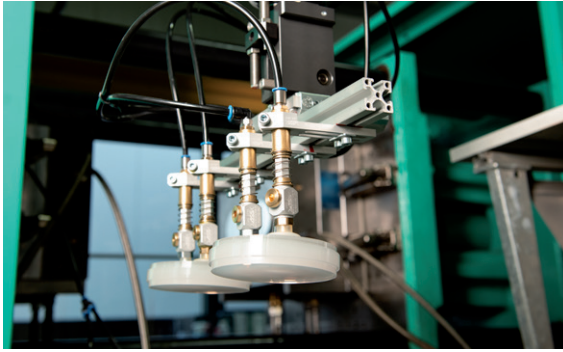
- High flexibility with high impact strength at the same time
- No risk of fracture – rail breaks are almost impossible
- High chemical resistance (IPA, med. disinfectants, oncological drugs)
- Improved patient comfort

- **FAST** – millability
- **STRONG PERFORMANCE** – covers all indications
- **GREAT SHAPE** – perfect fit of the materials



Top performance requires
perfect training control



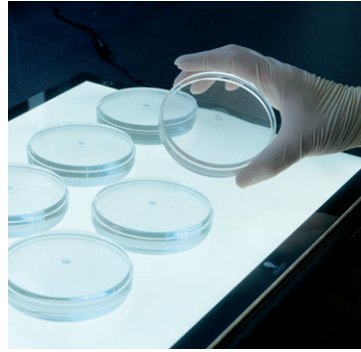


State-of-the-art manufacturing processes

The tactic

As a manufacturer and processor of dental materials, we know how important it is to set individual parameters correctly in the product process in order to turn a talent into a winner.

That is why we rely on a complex thermoplastic injection molding technique. The raw granulate is softened to a homogeneous plastic melt by supplied heat and compacted in the blank form under extreme pressure conditions.



Quality controls

The training

Each blank is measured in production and visually checked for its material quality using transmitted light. Blanks that do not pass the quality check will not be sold.

Only the best get through ...



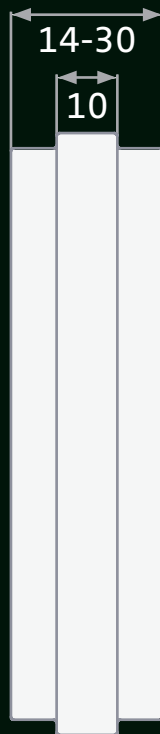
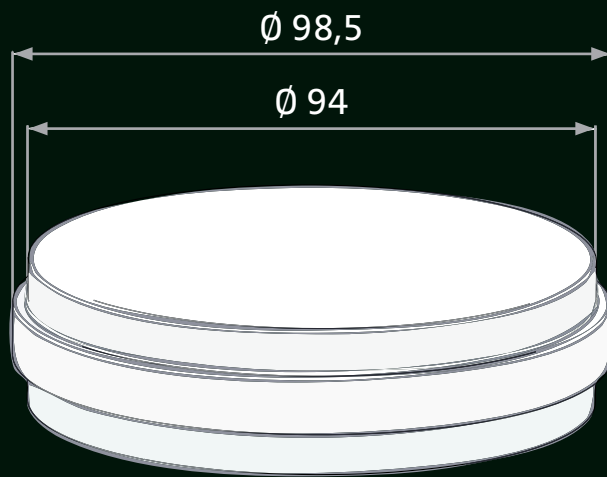
Raw materials

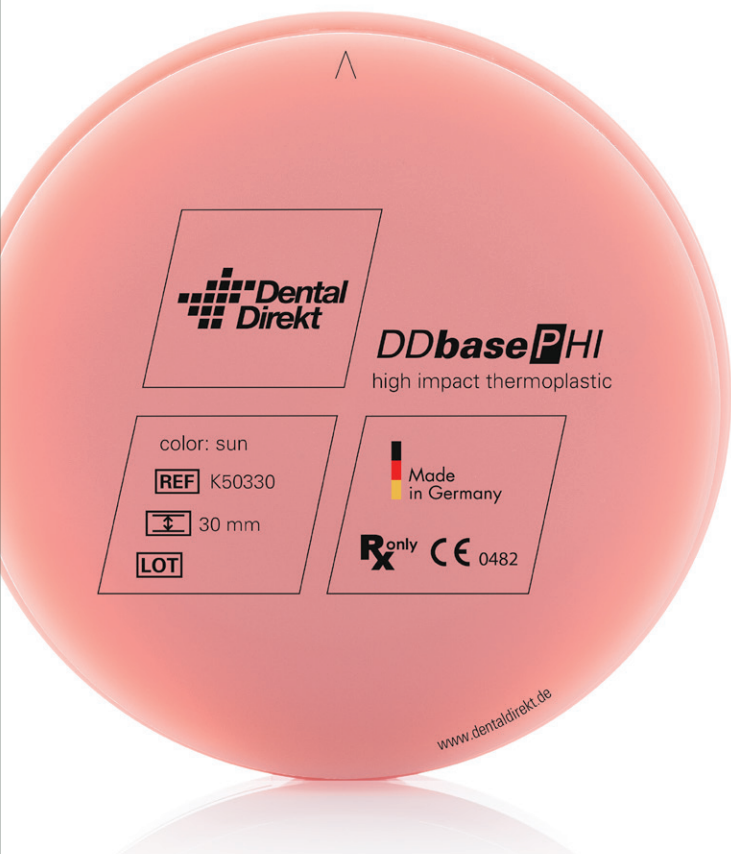
The talent

The industrially fully polymerized raw material forms the basis for the excellent material properties. The homogeneous and dense structure of the blanks ensures easy, quick and inexpensive processing and millability.



Milling on 98.5 mm in world record time





DDbase^{PHI}

high impact thermoplastic



Your advantages:

- High stability through high impact modification
- Very good polishability
- Very good connection to denture teeth
- 4 colors
- Bisphenol A free

Polymethylmethacrylate (PMMA)

Indication:

Digital full and partial dentures
(for the long-term use in the oral cavity
up to 10 years, class II a MDD / MDR)

Available:

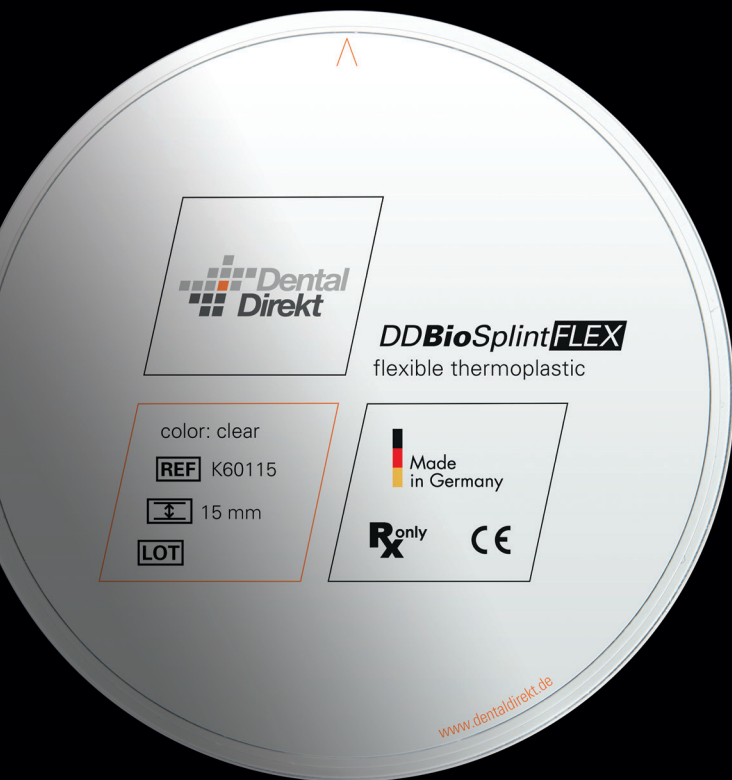
- Color: light pink, pink, sun and rouge
- Height: 30 mm



All other product details and
technical data can be found on
the DD base P HI product page



Consult instructions for use.



DDBioSplint FLEX

flexible thermoplastic



Your advantages:

- High flexibility with high impact strength at the same time
- Very good polishability
- Can be combined with conventional polymers
- No risk of fracture – broken rails almost impossible
- High chemical resistance
(IPA, med. disinfectants, oncological drugs)

Polyethylene terephthalate glycol (PET-G)

Indication:

Occlusal splints, therapeutic splints, drilling templates, bite regulators, bleaching Splints (for short-term use in the oral cavity of up to 30 days, class I MDD / MDR)

Available:

- Color: clear
- Height: 20 mm



All other product details and technical data can be found on the DD Bio Splint FLEX product page

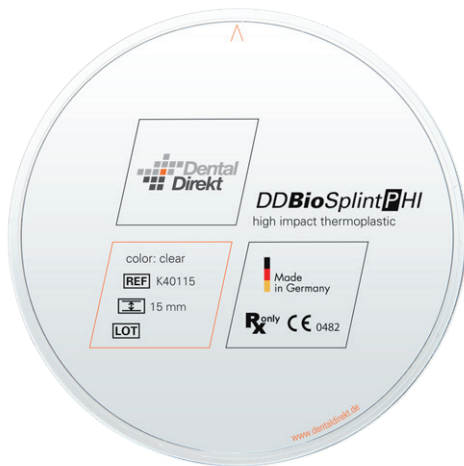


Consult instructions for use.



DDBioSplint^{PHI}

high impact thermoplastic



DDBioSplint^C

innovative polycarbonate



Your advantages:

- High stability through high impact modification
- Long-term stable due to the lowest water absorption
- Very good polishability
- Bisphenol A free

Your advantages:

- Slightly flexible
- Very high stability
- Sterilization at 121 °C
- Very good polishability

Polymethyl methacrylate (PMMA)

Indication:

Occlusal splints, therapeutic splints, bite regulators (lasting for up to 12 months permanent use in the oral cavity, class II a MDD / MDR)

Available:

- Color: clear
- Height: 15, 20, 25 and 30 mm



All other product details and technical data can be found on the DD Bio Splint P HI product page

Polycarbonate (PC)

Indication:

Occlusal splints, therapeutic splints, bite regulators, drilling templates (for up to 30 days of permanent use in the oral cavity, Class I MDD / MDR)

Available:

- Color: clear / slightly bluish
- Height: 15 and 20 mm



All other product details and technical data can be found on the DD Bio Splint C product page



Consult instructions for use.



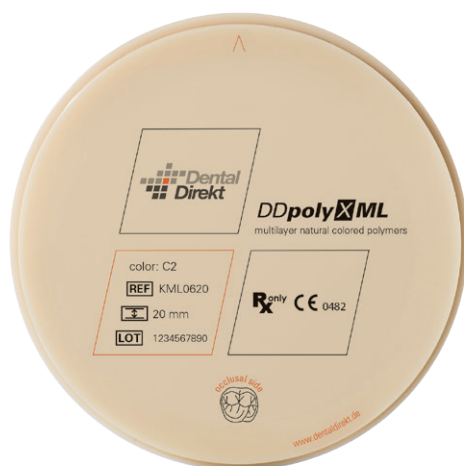
» During product development, special attention was paid to the quick and easy processability of the materials as well as on the quality and patient satisfaction. As a trained dental technician, I know how important this is. «

Tanja Bücken-Thielmeyer,
Product manager



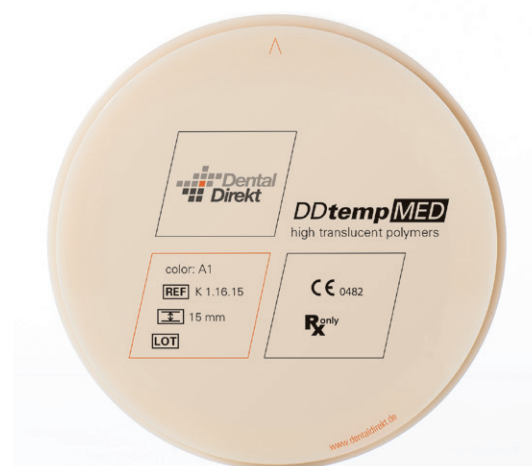
DDpolyX^{ML}

multilayer – natural colored polymers



DDtemp^{MED}

high translucent polymers



Your advantages:

- 5 layers of paint for a natural aesthetic effect
- Good abrasion resistance
- Good polishing properties
- High mechanic properties
- Bisphenol A free

Your advantages:

- Tooth color according to VITA classical A-D®
- Refractive index close to the natural tooth
- High breaking strength and permanent bending pressure
- Optimized plaque resistance through very low water absorption
- Easy to polish
- Bisphenol A free

Polymethylmethacrylate (PMMA)

Indication:

Temporary crowns and bridges
(for up to 12 months of continuous use
in the oral cavity, class II a MDD / MDR)

Available:

- Color:
A1, A2, A3, B0, B3, C2
- Height: 16 and 20 mm



All other product details and
technical data can be found on the
DD Poly X ML product page



Consult instructions for use.

Polymethylmethacrylate (PMMA)

Indication:

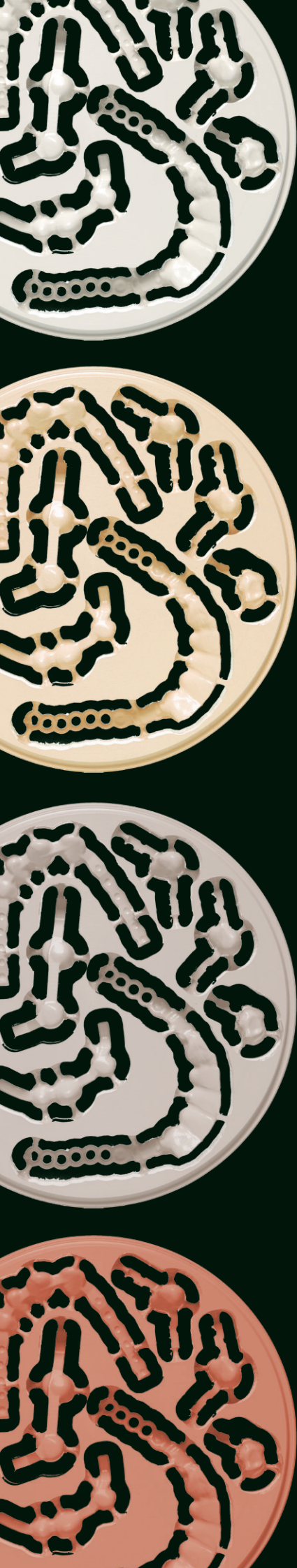
Temporary crowns and bridges
(for up to 12 months of continuous use
in the oral cavity, class II a MDD / MDR)

Available:

- Color:
Bleach, A1, A2, A3, A3,5, B2, C2, D3
- Height: 15 and 20 mm
Bleach: 16, 20 and 25 mm

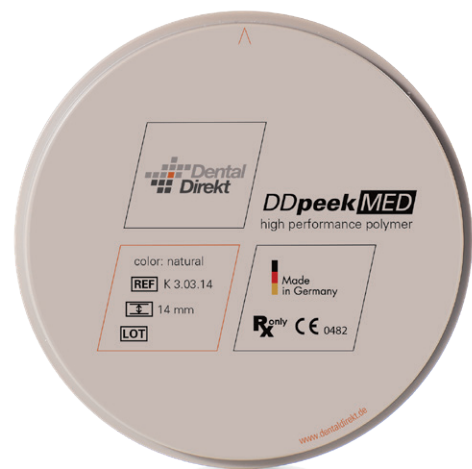


All other product details and
technical data can be found on the
DD Poly X ML product page



DDpeekMED

the polymer steel



Your advantages:

- Gum and tooth colors for implants substructures
- Excellent friction properties, bars, telescopic crowns
- Particularly suitable for multi-allergic patients
- Lasting and bite-suppressing effect

Polyetheretherketone (PEEK)

Indication:

fixed or removable dental framework structures
(for permanent use in the oral cavity,
class II a MDD / MDR)

Available:

- Color:
weiß, natural, dentin, gingiva
- Height: 14, 18 and 23 mm



All other product details and
technical data can be found on the
DD peek MED product page



Consult instructions for use.

Find more on our
Polymer Heroes
landing page:



Polymer Heroes

Polymer Heroes - CAD/CAM high-performance polymers for all indications and fast milling strategies

With Polymer Heroes from Dental Direkt, you have a comprehensive range of strong and durable high-performance polymer CAD CAM materials - tested, clinically proven, 100% biocompatible. The material composition

supports fast milling strategies and saves time and money. With this, we send real winners into the race, with guaranteed success - we promise!
Let's give the polymer heroes the big stage



The talent of our Polymer Heroes lies in the industrially polymerized raw material, which lays the foundation for the excellent material properties. The homogeneous and dense structure of the blanks ensures easy, fast and favorable processing and millability. The right tactics lies in state-of-the-art manufacturing processes. As a manufacturer and processor, we know how important the right adjustment of individual parameters in the production process is to turn a talent into a winner.

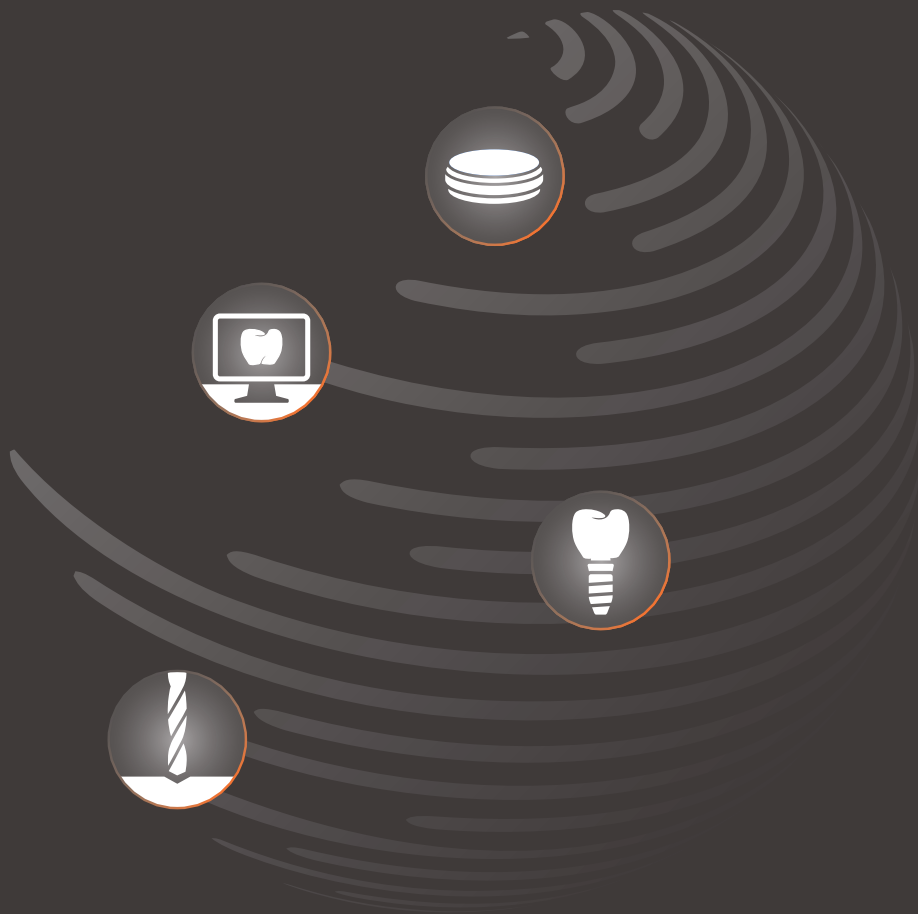


»During product development, my particular focus was on improving quality and durability. The current material components offer excellent bond strengths. As a trained dental technician how important that is.«

Tanja Bücken-Thiele

POLYMER HEROES

Welcome to **your** Universe



Materials

Technologies

Implant Components

Milling Services

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CLOSE TO **YOU**

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