



artegral[®] Life



The next high level generation

artegral[®] Life HD
HIGH DEFINITION
Highly Modified Polymer Network[®]

artegral[®] Life



artegral[®] Life HD

Life intensively formed in esthetics



Based on the outstanding and proven tooth moulds and the functional properties of the **artegral®**, the **artegral® life** has been designed with a new shade brilliance, aesthetics and naturalness.

Together with a successful surface texture, a natural opalescence and fluorescence, the novel, highly aesthetic and multi-layered layer concept creates the successful image of naturally looking anterior teeth, even in different light conditions.

Incisal translucencies and subtle mamelons increase the depth of the anterior. In the posteriors, the additional reinforced circumferential enamel provides a 3-D effect with an occlusal depth effect and also serves as a grinding reserve for lasting aesthetics. The incisal translucency of the anteriors is an expression of juvenile vital teeth, which can be quickly and easily adapted to age by individual characterization. A special flanged design (layering) creates an excellent adaptation to the surrounding shades.

The focus is on the patient.



■ Incisal translucency for aesthetically vital teeth - for the young and the young at heart patients.

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CHARACTERISTICS

- Unique, highly aesthetic multi-layer structure
- Harmonious colour gradient for a brilliant natural opalescence and fluorescence in different light conditions
- Anteriors and posteriors made of highly cross-linked, filler- and fibre-free, abrasion-resistant OMP-N[®]
- Ideal for hybrid and implant constructions
- Anteriors and posteriors match the V-Classic shade system
- In addition to the brilliant layering technique, the colour composition ensures true shade accuracy
- Reinforcement of the incisal edge on the marginal ridges (chameleon effect)
- Matching shade guide for the artegral[®] life

INDICATIONS



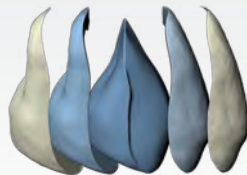
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ANTERIORS

- Brilliant shade and light play with natural opalescence and fluorescence
- Natural adaptation to surrounding shades through translucent flanges
- Accentuated incisal edge with subtle mamelons
- Life-like moulds and surface texture for light-optical effects
- Simple individual characterization enables aesthetic vital teeth of all ages
- Harmonious transition from anterior to posterior through shade-matched flanges
- Physical-shaped moulds and sizes according to the CBI® system

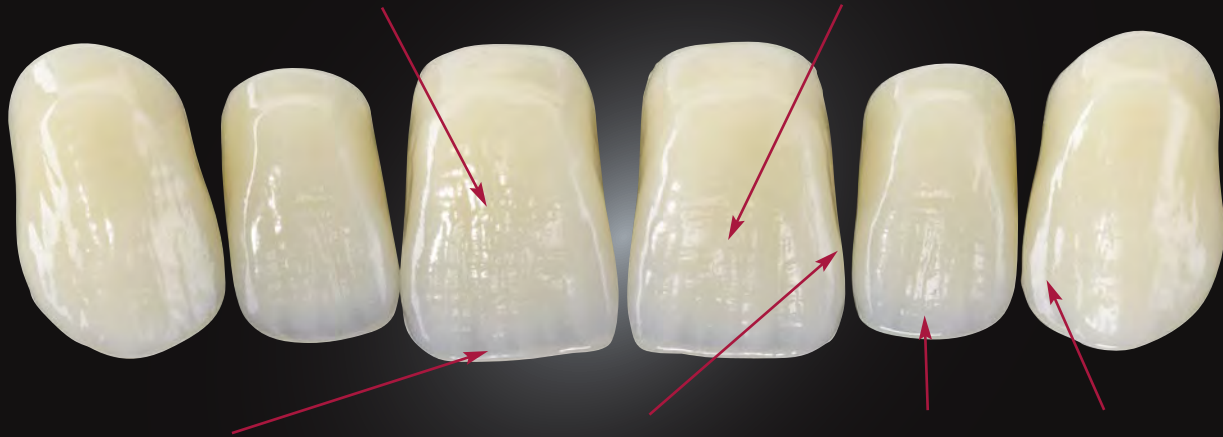


5-layer structure

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Natural surface texture for light-optical effects

Harmonious shade gradient from the neck to the incisal edge



Incisal transparency

- For aesthetically vital teeth of all ages
- Allows individual characterisation, of both juvenile and also age-appropriate teeth
- Brilliant play of shade and light with natural opalescence and fluorescence

Translucent flanges

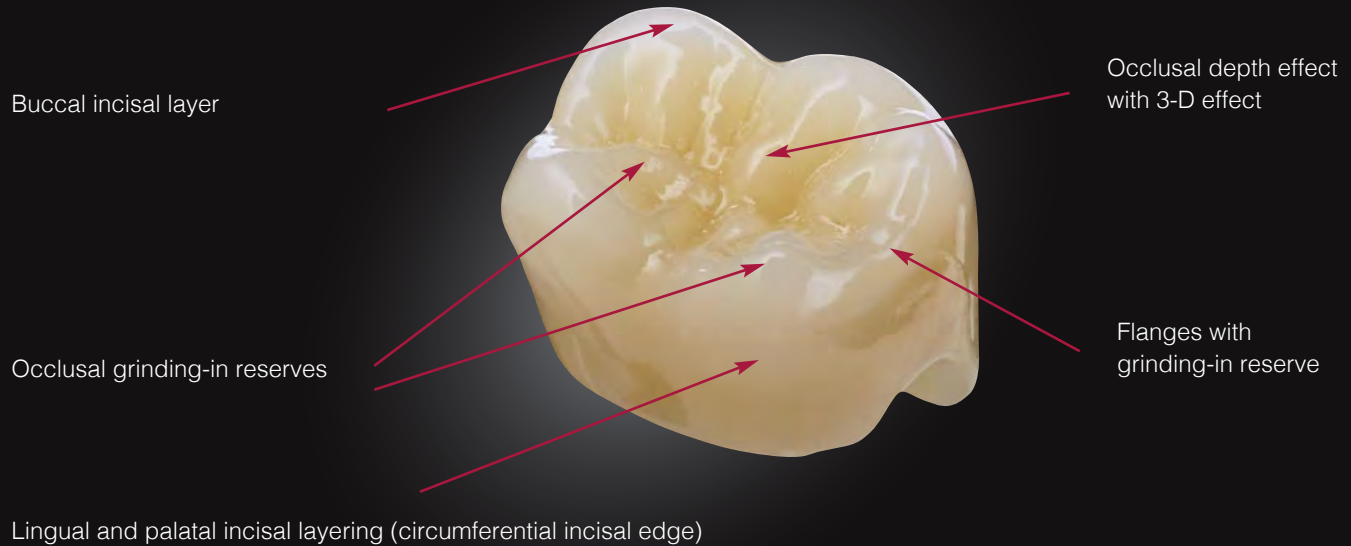
- For a better natural adaption to ambient colours

More accentuated incisal edge with subtle mamelons

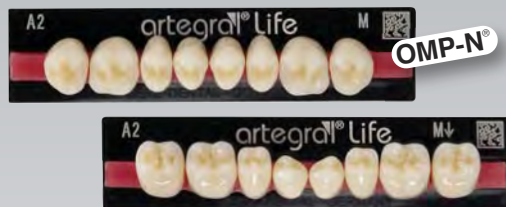
The flanges of the canines are mesially translucent and distally darker

Even layers in the incisal edge with identical parts, both from labial and palatal. Subtle mamelones enable a translucent incisal edge.

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- Occlusal depth effect with 3-D effect
- The aesthetics are retained for a long time thanks to the occlusal grinding-in reserves
- Tried and tested function with a new look



POSTERIORS

- Form, function and aesthetics - nature as a role model
- Circumferential enamel with 3-D effect
- Sustainable aesthetics thanks to "enamel grinding reserve"
- Proven functional occlusal design
- Declining cusp angle for different occlusal concepts
- Moderate, fully anatomical occlusal surface morphology
- Safe, unique centric determination with defined degree of freedom
- Tooth-to-tooth relationship, vestibular as a tooth-to-two-tooth relationship
- Integrated sagittal set-up aid
- Applicable to all current occlusal concepts and full denture set-up methods
- Basal groove, Preventive Shift Groove (PSG®) prevents twisting and tilting during wax-up



4-layer structure



THE CBI® SYSTEM

Based on the research results from the survey of anterior teeth on patients with full dentition by Prof. Dr. Siebert (Free University of Berlin, now Charité), Merz Dental developed an innovative and recognised design language, the patented **CBI® system**. A successful and contemporary system of moulds simulating feminine and masculine looking upper anteriors.

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C-mould ♂

cervical emphasized
striking, firm, masculine



B-mould ♀♂

body emphasized
harmonious, neutral



I-mould ♀

incisal emphasized
grace, elegance, feminine



BI-mould



BO-mould



IT-mould



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THE OPTIMUM DENTAL MATERIAL FOR EVERY CASE

OMP-N[®]

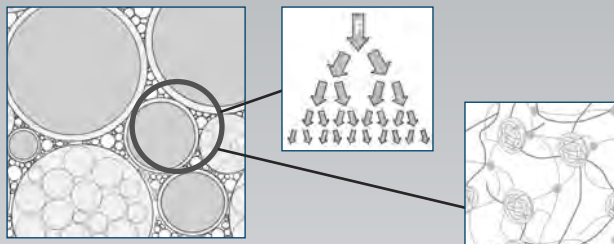
Organic **M**odified **P**olymer-**N**etwork

- Highly cross-linked
- Abrasion resistant
- Tissue-friendly
- Chemically resistant
- Colour stable
- Strong bond to the denture base acrylic
- Temperature resistant
- Easy to work and polish
- Free of inorganic fillers and fibres
- High elasticity and shock-absorbing

HMP-N[®]

Highly **M**odified **P**olymer-**N**etwork

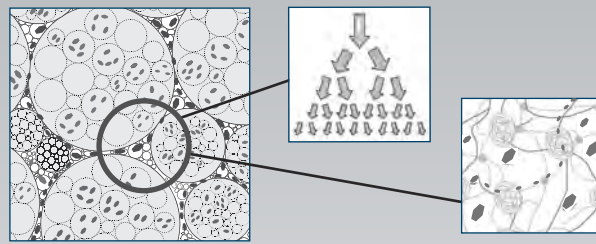
- Hard-wearing and abrasion resistant, ensuring the vertical support
- Shock absorbing the impact and shear forces on the tooth
- Self-regulating biomimetic adaptation reduces hyperbalance contacts through individual function engraving
- Homogeneous PMMA layer, simple processing when completing the denture
- Plaque-resistant thanks to the uniform PMMA structure



OMP-N®

Cross-linked macromolecule structures in the submicroscopic range occupy the spaces between larger polymer beads in the chemical bond, which also reduces the proportion of monomer used in tooth production.

High elasticity, no splintering thanks to the formulation free of fillers and fibres. An integrated shock absorber compensates for the forces acting on the tooth and the denture base area is relieved. OMP-N® presents a very good, plaqueresistant surface compaction after polishing, even with conventional polishers, polishing wheels and polishing agents.



HMP-N®

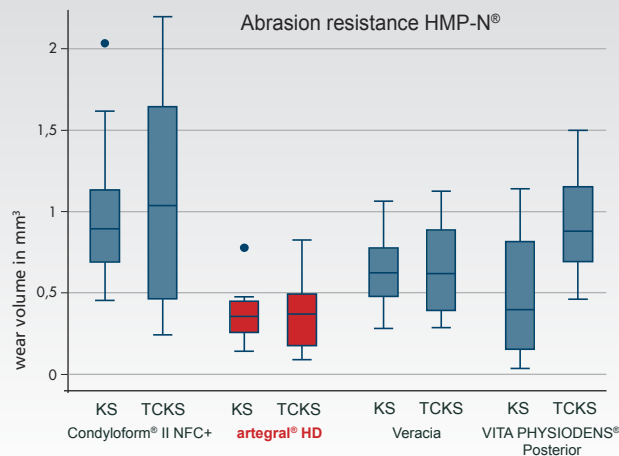
■ Inorganic fillers

HMP-N® is a dental material developed for implant- and periodontal-supported prosthetics with biomimetic properties learned from nature.

The Highly Modified Polymer Network (HMP-N®) offers a balanced combination of properties thanks to its homogeneous structure with extremely fine crystalline fillers.

Dissertation Felix Schwarzer University of Greifswald 2021

Presentation of the wear results for each group for the chewing simulation method without previous thermal alternating loads (KS) and chewing simulation with previous thermal alternating loads (TCKS); Outliers are shown individually as soon as they are more than 1.5 interquartile ranges away from the Q25 or Q75 percentile.





SHADE GUIDE

The shade communication between dentist and dental technician is highly important. Only a reliable, tried and tested shade guide can perform this important task.

The A-D Shade Guide enables dentists and dental technicians to use the tried and tested A-D shades as well as working with the 4 bleach shades: permanently, reliably and with a high degree of shade security.

- The material and layers of the teeth in the Shade Guide correspond to the original acrylic teeth.
- Shade deviations are thus reduced to a minimum
- No prominent angular features
- Identical mesial/distal flanges make it easier to determine the shade of the reference teeth.



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Merz Dental is certified according to EN ISO 13485 and thus offers the security and advantages of a future-orientated quality management system.