

VITAPAN PLUS®

Product Information / Mould Chart



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue 09.15

VITA shade, VITA made.

VITA

VITA SYSTEM 3D-MASTER®
VITA classical A1 – D4®



VITAPAN PLUS® The anterior tooth with unique VITALity

**"Esthetics have never been so attractive –
and a natural appearance never so easy to replicate"***

An elegant combination of innovative morphology and a modern layering concept make the natural looking anterior teeth a unique experience.

The greater portion of enamel generates a natural-looking translucency for teeth that shine with more VITALity and are even more esthetically pleasing. Natural anatomy has been successfully achieved in accordance with the highest esthetic and functional standards.

(*Quote from Daniel Sperlich, MDT, regarding a patient case in 2015, photo on right)



VITAPAN PLUS® A perfectly formed anterior tooth



Every single tooth has been individually modeled and has a morphology and surface design that imitates nature.

- Particular emphasis has been placed on a nature-identical design of the tooth surfaces, the marginal ridges and all angular features.
- The details are convincing, such as the individual, natural-looking surface structures and the incisal edge gradients tailored to match one another for each tooth shape.
- Excellently suited for implant prosthetics thanks to their enlarged incisal areas.
- The widened cervical areas of the tooth:

- are optimal for a secure and well-proportioned interdental space design.
- brilliantly cover possible construction elements.
- are excellent for richly faceted and hygiene-friendly ingival modelling that ensures interdental closure.



The same set of teeth in 3 different variations

Thanks to a smooth, stepless transition from the tooth cervix to the crown, the gingival contour can be varied individually in height depending on the patient's age, – that means:

- more design possibilities for each set of teeth
- more efficient tooth inventory thanks to a streamlined tooth assortment



Benefits for you as a dental technician:

- Finishing and customizing of the teeth is optional
- Fast and reliable fabrication of dentures
- High efficiency and cost-effectiveness for your dental laboratory
- Indicated in particular for full and implant prosthetics

VITAPAN PLUS® A perfectly formed anterior tooth



Authentic surface morphology is individually designed for each tooth

➤ for a living and natural radiance

Optimally coordinated opalescence, luminescence and translucency



➤ for a nuance-rich play of colors, identical to nature

Individual mamelon structures and whitish incisal edges

➤ for a natural reflection of light on the incisal edges of the tooth



Cannot be differentiated from the original

Clever, 3-layer concept with a high proportion of enamel

➤ for a natural looking translucency that allows the teeth to appear more esthetically pleasing with added VITALity

➤ for a beneficial chameleon effect

(Photo top/bottom: Patient with VITAPAN PLUS upper teeth and natural lower teeth by Karl-Heinz Körholz (dental technician), Quintessenz Zahntech 2014; 40(8): 2–18)

The chameleon effect enhances the transmission of light between VITAPAN PLUS and the original teeth so that they blend in with their natural environment and can no longer be differentiated from the natural original – as seen in the clinical case on the left.

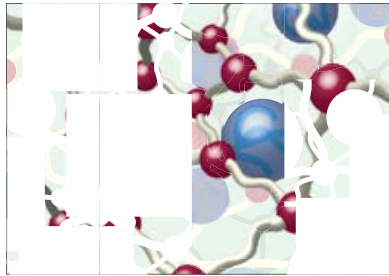





Benefits for the patient:

- Esthetic, lively and healthy looking teeth
- Emphasis on the individual physiognomy
- Improved conservation of phonetics and accustomed tongue sensation
- Effective lip support
- Greater wearing comfort and durability of the prosthesis

VITAPAN PLUS® Its "inner" strength

VITAPAN® VITAPAN PLUS® VITA PHYSIODENS® VITA LINGOFORM®



-  PMMA pearls, swollen with monomers and incorporated in the polymer network
-  cross-linked monomer
-  inorganic microfiller, incorporated into the polymer network

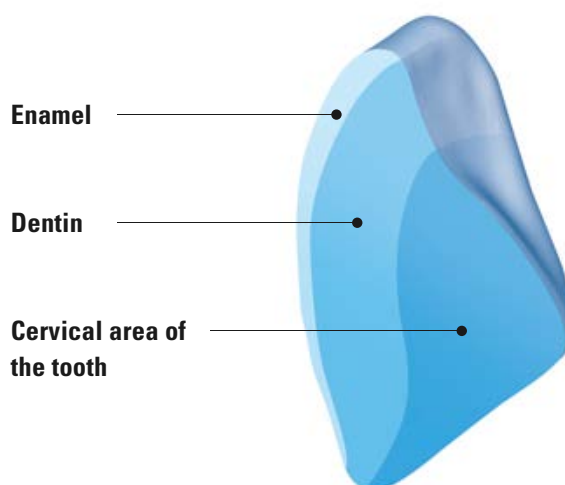
The prosthetic teeth consist of the **composite material "MRP"** and are fabricated using the special VITA re-pressing process – **VNPV**. The unique manufacturing process includes the **simultaneous polymerization under pressure in one step**. This results in an **inner, homogeneous bond within all layers of the tooth and the entire body of the tooth**, which is relevant for the stability of the material and the further processability of the prosthetic teeth.

MRP (Microfiller Reinforced Polyacrylic) material is a PMMA-based polymer network into which **inorganic microfillers** with optimally balanced particle size distribution and so-called **PMMA pearls** are permanently integrated.

The result is a **highly cross-linked MRP composite material** with **outstanding abrasion and material strength**.

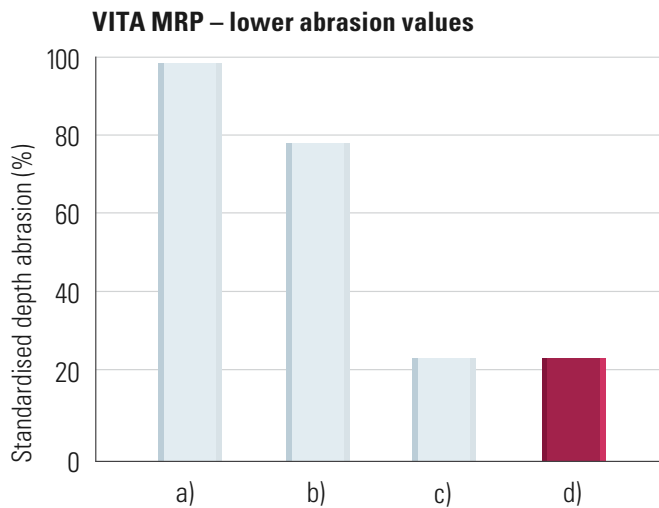
Layering concept that imitates nature

Each VITAPAN PLUS tooth is composed of three different layers that differ in their **hue, chroma and degree of translucency as well as in their three-dimensional extension**, thus imitating the individual appearance of natural teeth.



VITAPAN PLUS® High abrasion strength with long-term effect

The very low abrasion values of the high-quality MRP composite material (column in pink) represent a high level of material strength and therefore the long-term durability of VITA teeth.



- a) cross-linked PMMA
- b) highly cross-linked PMMA
- c) nanohybrid / nanofilled composite
- d) VITA MRP-Material: VITAPAN PLUS®**

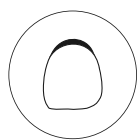
(Source: In-vitro abrasion studies, University of Regensburg, Germany, 2009)

Proven over decades and successfully used clinically a million times over

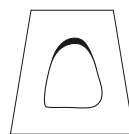


- High abrasion strength thanks to the MRP composite material
- High material homogeneity due to the VNP process
- Splinter-proof processing of teeth without chipping effects
- More safety and efficiency during production of the prosthesis
- Highly polishable – even after grinding in the mouth
- Excellent bonding to the prosthetic material (see also VITACOLL® bonding agent)
- Longevity of the prosthesis
- More effective tooth inventory thanks to a streamlined tooth assortment
- Highly esthetic and high-quality restorations have higher margins leading to increased revenue for your dental laboratory

VITAPAN PLUS® Upper anteriors



Ovoid



Tapering

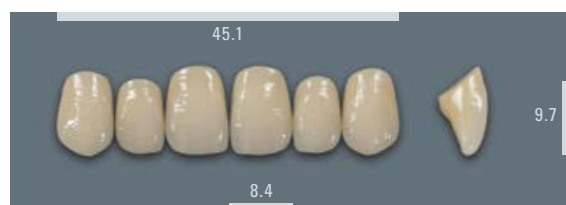
041



043



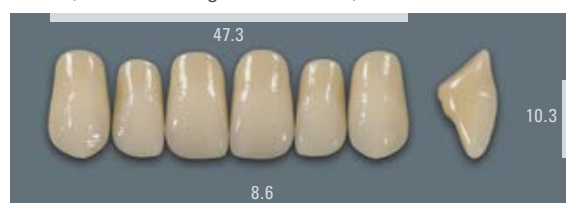
045



047



047L (047 with longer tooth neck)



049



051



T42



T44



T46



T47



T48



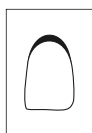
T50



T54



VITAPAN PLUS® Upper and lower anteriors



Rectangular

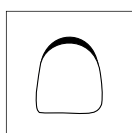
R45



R47



R49



Square

S46



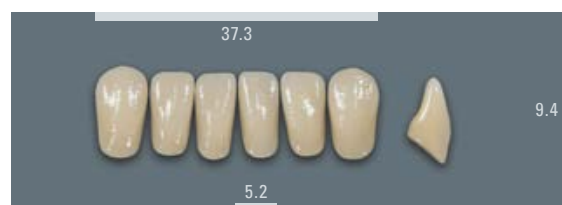
L33



L35



L37



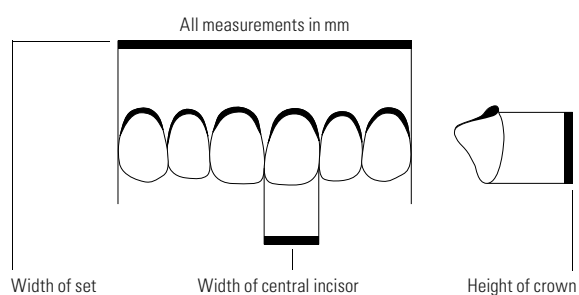
L37L (L37 with longer tooth neck)



L39

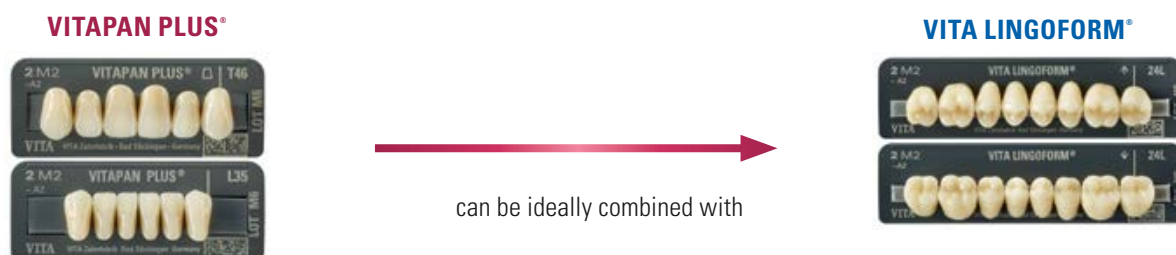


L41



VITAPAN PLUS® The flexible anterior tooth

VITAPAN PLUS can be combined with **VITA LINGOFORM** for outstanding results and is very well suited for all setup techniques. New accents with lighter anterior teeth and more opaque posterior teeth are positioned to create a more life-like and natural appearance.






(Source: H.-J. Lange, MDT, Dental Laboratory Teuber, Germany, 2015)



The versatile anterior teeth are excellent for use with full prostheses and implant-supported superstructures due to its larger incisal and cervical area.

Indication	VITAPAN PLUS® Anterior tooth	VITA LINGOFORM® Posterior tooth
Full dentures	✓✓✓	✓✓✓
Implant prostheses	✓✓✓	✓✓✓
Temporary prostheses	✓✓	✓✓✓
Cast partial dentures	✓	✓✓✓
Partial prostheses	✓	✓✓✓
Attachment prostheses	✓	✓✓✓
Telescopic/ double crown ret. dentures	✓	✓✓✓

3 checkmarks: recommended, 2 checkmarks: well suited, 1 checkmark: suitable

VITAPAN PLUS® Combination table

No.	 mm			No.	C: VITAPAN® CUSPIFORM S: VITAPAN® SYNOFORM E: VITA PHYSIODENS® L: VITA LINGOFORM®
041	41.3	9.1	7.4	L33 33.2	41C 11S 20E 21L 29.9 30.0 29.4 30.1 31.3 31.9 31.0 30.7
043	43.1	9.1	7.9	L33 33.2	41C 11S 20E 21L 29.9 30.0 29.4 30.1 31.3 31.9 31.0 30.7
045	45.1	9.7	8.4	L35 35.3	42C 12S 22E 22L 31.7 31.1 32.9 31.6 33.4 32.7 33.7 32.1
047	47.3	10.3	8.6	L37 37.3	42C 12S 22E 22L 31.7 31.1 32.9 31.6 33.4 32.7 33.7 32.1
047L*	47.3	10.3	8.6	L37L* 37.3	42C 12S 22E 22L 31.7 31.1 32.9 31.6 33.4 32.7 33.7 32.1
049	49.1	10.9	9.0	L39 39.0	45C 14S 22E 23L 34.8 33.1 33.5 34.2 36.3 35.4 35.4 34.8
051	51.4	12.3	9.3	L41 41.2	45C 14S 24E 24L 34.8 33.1 34.8 35.8 36.3 35.4 36.1 36.4
T42	42.0	9.5	7.7	L33 33.2	41C 11S 20E 21L 29.9 30.0 29.4 30.1 31.3 31.9 31.0 30.7
T44	44.1	9.9	8.1	L33 33.2	41C 11S 20E 21L 29.9 30.0 29.4 30.1 31.3 31.9 31.0 30.7

No.	 mm			No.	C: VITAPAN® CUSPIFORM S: VITAPAN® SYNOFORM E: VITA PHYSIODENS® L: VITA LINGOFORM®
T46	46.2	10.4	8.2	L35 35.3	42C 12S 22E 22L 31.7 31.3 32.9 31.6 33.4 32.7 33.7 32.1
T47	46.9	10.9	8.5	L37 37.3	42C 12S 22E 22L 31.7 31.1 32.9 31.6 33.4 32.7 33.7 32.1
T48	48.1	11.3	8.8	L37 37.3	42C 12S 22E 22L 31.7 31.1 32.9 31.6 33.4 32.7 33.7 32.1
T50	50.0	11.6	9.2	L39 39.0	45C 14S 24E 24L 34.8 33.1 34.8 35.8 36.3 35.4 36.1 36.4
T54	54.4	12.7	9.8	L41 41.2	45C 14S 24E 24L 34.8 33.1 34.8 35.8 36.3 35.4 36.1 36.4
R45	45.4	9.9	8.2	L35 35.3	42C 12S 22E 22L 31.7 31.1 32.9 31.6 33.4 32.7 33.7 32.1
R47	47.0	11.2	8.6	L37 37.3	42C 12S 22E 22L 31.7 31.1 32.9 31.6 33.4 32.7 33.7 32.1
R49	49.1	11.7	8.9	L39 39.0	45C 14S 23E 23L 34.8 33.1 33.5 34.2 36.3 35.4 35.4 34.8
S46	46.3	10.3	8.5	L35 35.3	42C 12S 22E 22L 31.7 31.1 32.9 31.6 33.4 32.7 33.7 32.1

The information contained in the combination table is only intended as a guide, and can vary depending on the patient's individual situation.

*long (047 or L37 with longer tooth neck)

Shade designation

VITA SYSTEM 3D-MASTER®

(with best match to
VITA classical A1–D4*)

VITA classical A1–D4*

Type designation

Mould designation

(tooth set designation
also indicates the
approximate width of
the set)



LOT-No.

Printed on tooth
set

Data Matrix Code

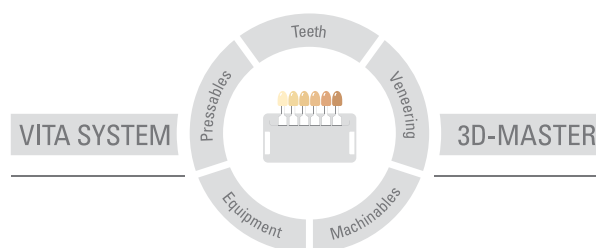
Range of moulds and shades:

- **18 x** upper anterior moulds
- **6 x** lower anterior moulds
- **15 x** VITA classical A1–D4® shades (except for B1)
- **28 x** VITA SYSTEM 3D-MASTER® 1M1-5M3 shades, incl. 0M1 and 0M3

CE 0124 on the reverse

This product group is available in the VITA SYSTEM 3D-MASTER and VITA classical A1–D4 shades. Shade compatibility with all VITA SYSTEM 3D-MASTER and VITA classical materials is guaranteed.

With the unique VITA SYSTEM 3D-MASTER, all natural tooth shades can be systematically determined and perfectly reproduced.



Please note: Our products should be used according to the working instructions. We cannot be held liable for damages resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of application. We cannot accept any liability if the product is used in conjunction with materials and equipment from other manufacturers which are not compatible or not authorized for use with our product. Furthermore, our liability for the accuracy of this information is independent of the legal basis and, in as far as legally permissible, shall always be limited to the value as invoiced of the goods supplied, excluding value-added tax. In particular, as far as legally permissible, we do not assume any liability for profit loss, for indirect damages, for consequential damages or for claims of third parties against the purchaser. Claims for damages based on fault liability (fault in making the contract, breach of contract, unlawful acts, etc.) can only be made in the case of intent or gross negligence. The VITA Modulbox is not necessarily a component of the product. Date of issue of this product information: 09.15

After the publication of these information for use any previous versions become obsolete. The current version can be found at www.vita-zahnfabrik.com

VITA Zahnfabrik has been certified in accordance with the Medical Device Directive and the following products bear the CE mark: **CE** 0124

VITAPAN PLUS®

VITA

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