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DEPRAG

NOVA

- Hight strength
- Efficient
- Bionic aesthetics

Immediate tooth
restoration for a beautiful smile

Highlights

NOVA

·High strength and durability

480MPa is moderate strength (close to the human natural teeth), which is low for jaw tooth abrasion; good adhesion performance and not easy to fall off.

·Bionic aesthetics

It has a fluorescent creamy effect ， VITA16 color and bleach and three kinds of transparency, 40%-60% high transparency.

·Efficient and time-saving

Digital processing materials are easy to milling and process, can quickly crystallize, integrated glazed crystallization, saving time and cost. Seek a doctor at a time, the patient can wear teeth on the same day.

Features

NOVA

·480MPa high strength, durable, good biocompatibility, easy to bond

Moderate strength (close to the natural teeth of the human body), 480MPa intensity can perform high -precision milling processing; non-toxic side effects, good oral environment applicability; good adhesion performance, not easy to fall off; single damage only needs to repair the restorations.

·Excellent aesthetic effect, rich color variety and high permeability

Fluorescence and bleach.
Three kinds of transparency(HT) (MT) (LT), VITA 16 colors + Bleach).
HT products reach 60% transparency.

·Quick crystallization, instant repair

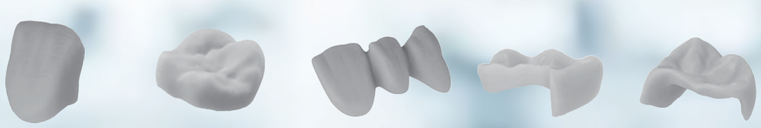
CAD/CAM system compatibility, easy to milling, rapid crystallization of 4-7min, and less abrasion to patients with a small teeth, and it is easier to process and use it with technicians and clinicians.

The highest strength blocks for restorations

Standard | NOVA

The highest strength lithium disilicate composite blocks in the NOVA series. Standard has a high proportion of zirconium oxide and the suitable amount of crystalline phase to achieve a balance between high strength and natural aesthetics.

Recommended areas of application:



Anterior crown | Posterior crown | Teeth bridge | Inlay | Onlay

Veneer（Milling thickness：0.25mm-1mm）

Model and Specifications:

HT: A1, A2 ,A3, A3.5, A4, B1, B2,B3,B4, C1,C2,C3,C4,D2,D3,D4

LT: A1, A2 ,A3, A3.5, A4, B1, B2,B3,B4, C1,C2,C3,C4,D2,D3,D4

MT:A1, A2, A3

Spec: C14,B40

Translucency: ★ ★ ★ ★

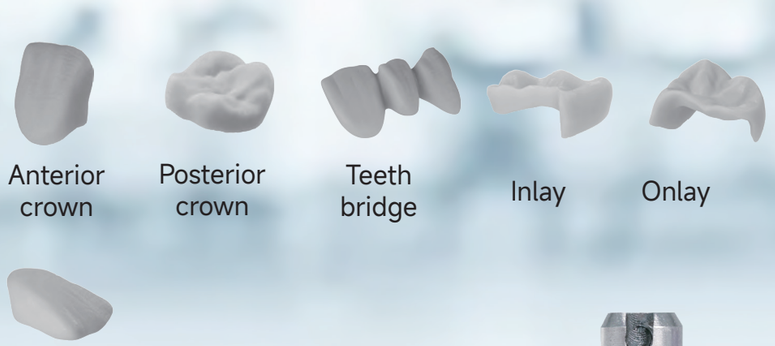
- ✓ Super high bending strength 480MPa
- ✓ VITA 16 Colors Standard
- ✓ Efficient crystallization and sintering in just 4-7 min
- ✓ With fluorescence effect

Aesthetic veneers for classic blocks

Esthetics | NOVA

The blocks are formulated and made in strict accordance with aesthetic standards. NOVA-Esthetics has a smaller crystal size and a certain amount of zirconium oxide content，it with a more desirable transparency but also has good toughness and strength.

Recommended areas of application：



Model and Specifications：

HT: BL1, BL2, BL3, BL4

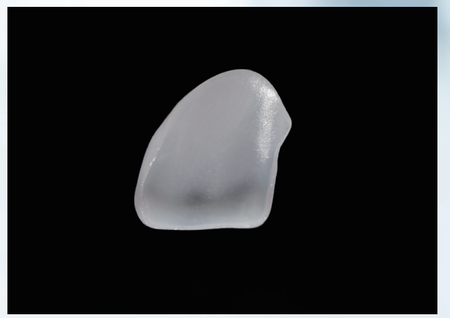
MT: BL1, BL2, BL3, BL4

LT: BL1, BL2, BL3, BL4

Spec: C14，B40

Translucency: ★ ★ ★ ★ ★

- ✓ Bending strength of 400MPa
- ✓ Different opaque capacities available
- ✓ Efficient crystallization and sintering in just 4-7 min
- ✓ With fluorescence effect



Model Comparison Table

HT (High translucency)

Size	Shades
C 14	A1 A1 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 BL1 BL2 BL3 BL4
B 40	A1 A1 A3 B1

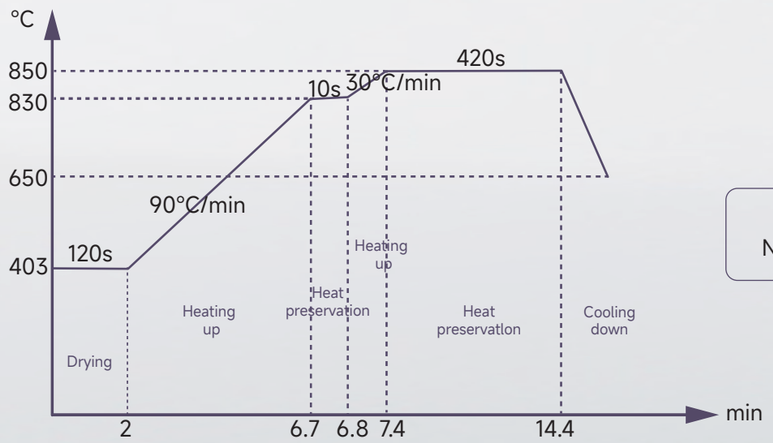
MT (Medium translucency)

Size	Shades
C14	A1 A1 A3 BL1 BL2 BL3 BL4

LT (Low translucency)

Size	Shades
C14	A1 A1 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 BL1 BL2 BL3 BL4
B40	A1 A1 A3 A3.5 B1 B2 C1 C2 C3 D2 BL1 BL2 BL3 BL4

Sintering program



No vacuum

Whole time is about 20mins:403°Cstart,drying time is 2mins,heat up rate is 90°C/min,heat up time is about 4.7mins(284s),heat preservation time is 10s after temperature reach 830°C,then heat preservation time is 7mins(420s) after temperature reach 850°C,Cool down to 650°C,Finally, open the lid naturally and use air cooling.

Special explain:

The glazing temperature can be adjusted according to the glaze instructions of different manufacturers, but it must not exceed the crystallization temperature, It is not permissible to exceed this temperature even for a short time due to the hysteresis of the heating device.

Performance parameters

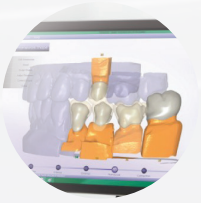
Three-Point Bend Flexural Strength (after crystallization)	480 MPa
Thermal Expansion Coeffcient (after crystallization)	$10.5x10^{-6}k^{-1}$
Chemical Solubility (after crystallization)	≤100μg/cm²
Fracture toughness(after crystallization)	≥1MPa·$m^{1/2}$
Radioactivity(after crystallization)	uranium-238 activity concentration: ≤1.0Bq/g

Efficient Process

Glass ceramic block is suitable for CAD/CAM digital processing, easy to mill, and the simple crystalline glazed staining process makes it the first choice of aesthetic ceramic materials for high-efficiency applications chairside.

1.PANDA P3 scan

Digital Oral scanning.



2.CAD/CAM Design

Design to restore the form of dental form.

3.Milling

W52 - Automatic milling equipment

Quickly complete milling.

4.Stain&Glaze

Fast crystallization, glazed staining, and perform aesthetic repair.

5.Firing

P7 - the modern intelligent porcelain firing furnace.