

HUGE



HUGE DENTAL USA LLC

Web: www.hugedentalusa.com
Add: 4010 Valley Blvd STE 104, Walnut, CA 91789, USA
Email: info@hugedentalusa.com Tel: +1 626 283 5808



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Rev 09/2025



LAB SOLUTION

Your Partner in Digital Dentistry



VinciSmile®

VinciSmile is committed to being your reliable clinical partner, providing top-notch dental solutions. We guarantee excellent clinical practice with the use of high-quality materials, ensuring the best outcomes for the patients.

NOBILCAM®

NOBILCAM CAD/CAM solution provides various types of Zirconia and PMMA DISC to dental laboratories in order to have a positive impact on dental patient health.

NOBILDENT®

NOBILDENT teeth are designed to look completely natural in the mouth due to the gentle blend of translucent incisal and lifelike reflective esthetics of the labial surface.

HUGE DENTAL USA is a worldwide dental supplier headquartered in Los Angeles, California USA. We offer a wide range of dental lab and clinical solutions, including NOBILDENT Resin Teeth, NOBILCAM CAD/CAM Materials, NOBILTRAY Lab Materials, PERFIT Elastomeric Impression Material, Clinical Restorative Materials, and Invisible Orthodontic Appliance, etc.

Our company is committed to providing exceptional support services, offering comprehensive counseling and training for employees, agents, and customers. As an FDA-cleared facility, we adhere to strict production quality assurance standards and maintain ISO 13485 certification.





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Dental Lab Materials

01 Synthetic Polymer Teeth

· NOBILDENT Prime DXL

· NOBILDENT Prime DXL-Mould Chart

· NOBILDENT Select XL

· NOBILDENT Select XL-Mould Chart

· NOBILDENT Delux EPN

· NOBILDENT Delux EPN-Mould Chart

03

04

10

11

15

16

02 Denture Base Polymers

· Fast Heat Curing Type

· Traditional Heat Curing Type

· Self Curing Type

23

25

25

03 Duplication Silicones

· GumEasy™ A-Silicone for Gingival Mask

· Alphalab™ A-Silicone for Laboratory

· Alphalab™ C-Silicone for Laboratory

29

31

33

>

Dental Lab Materials

04 Light Curing Tray & Unit

· Light Curing Tray

· Light Curing Unit

37

37

05 Integrated Efficiency:
Your Lab Solutions Partner

· Digital Denture Workflow with Prefabricated Teeth

· Dental Implant Solution

39

41



SYNTHETIC POLYMER TEETH

NOBILDENT Prime DXL

NOBILDENT Select XL

NOBILDENT Delux EPN



NOBILDENT Prime DXL

- Expression of natural beauty and high practicality



• Natural Beauty

Life-like blend of shade and translucency
55 moulds satisfy labs' needs.
Familiar forms: Square, Tapering and Ovoid
18 Shades: VITA^[1] classical A1-D4® plus A0 and A00

[1]: VITA is a trademark of VITA Zahnfabrik H. Rauter GmbH & Co.

• Wear-Resistance Like No Other

High molecular weight Double Cross-Linked (DXL)
Hard layer on occlusal surfaces

• Easy to Use

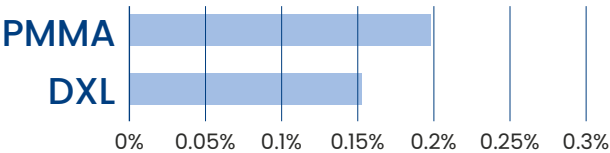
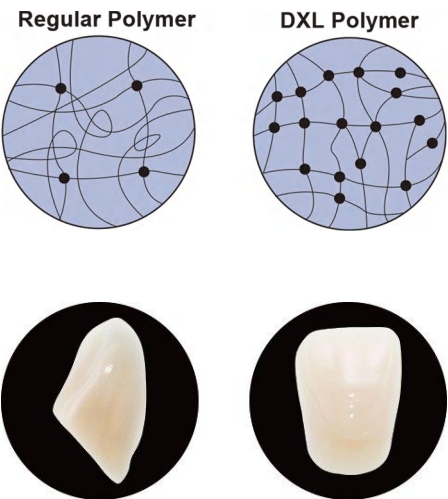
Easy to set-up posteriors
No-wax carding, no need to wipe-off wax
Concave ridge lap, mechanical retention built-in

• Digital Teeth, Perfect Fit to Digital Base

Dental libraries created in EXOCAD and 3 Shape
Esthetic and high-quality digital full denture achieved

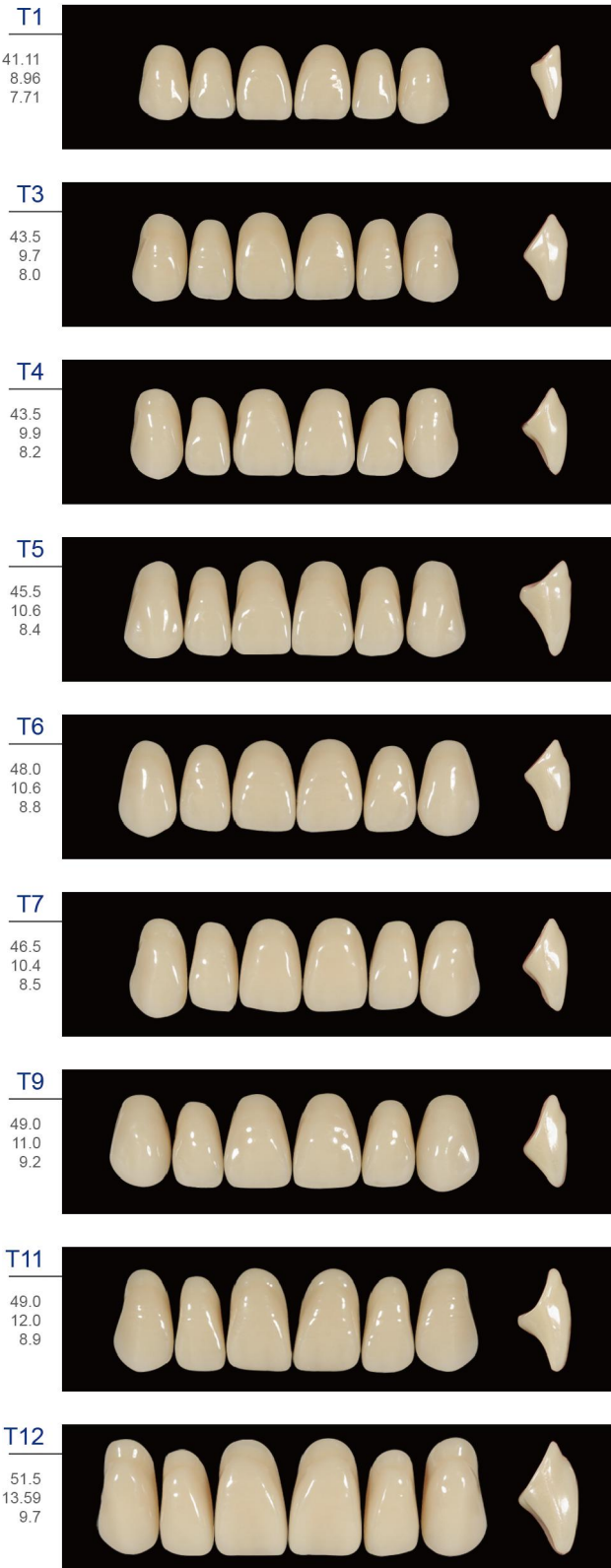
Abrasion Resistance^[2]
Weight loss rate after 60,000 cycles with resin abrasives

[2]: Test Report, HUGE Dental, 2024

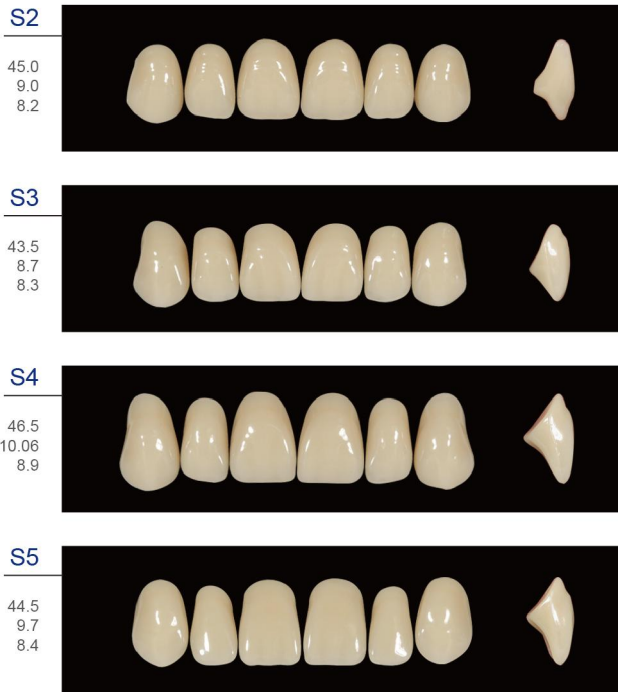


• Mould Chart

△ UPPER ANTERIOR TAPERING



□ UPPER ANTERIOR SQUARE



○ UPPER ANTERIOR OVOID



● Mould Chart

LOWER ANTERIORS

L1

30.5
7.1
4.3

L2

32.5
7.8
5.17

L3

31.5
9.8
4.5

L4

33.5
10.4
5.1

L5

36.0
8.2
5.6

L6

35.0
8.3
5.3

L7

35.5
8.6
5.5

L8

38.0
9.9
5.8

L11

38.94
9.56
6.25

LOWER ANTERIORS

L14

41.0
10.7
6.2

All measurements in millimeters

▲ SQUARE ■ TAPERING ● OVOID

O8

52.0

11.1

9.7

Actual Size: All measurements in millimeters

● Mould Chart

POSTERIORS 28°

30

8.2
7.0

28.0
30.0

32

9.3
8.0

30.0
32.0

34

9.9
8.5

32.0
35.0

36

10.3
9.5

34.0
37.0

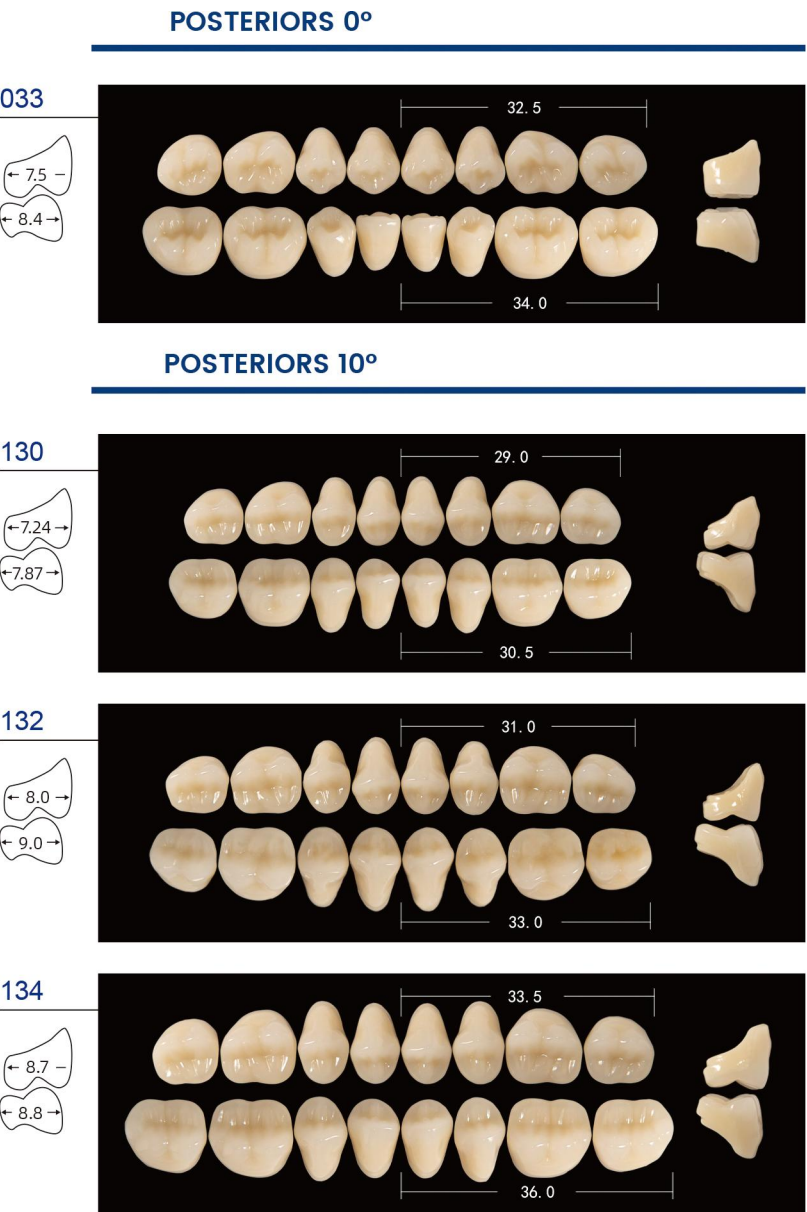
POSTERIORS 0°

031

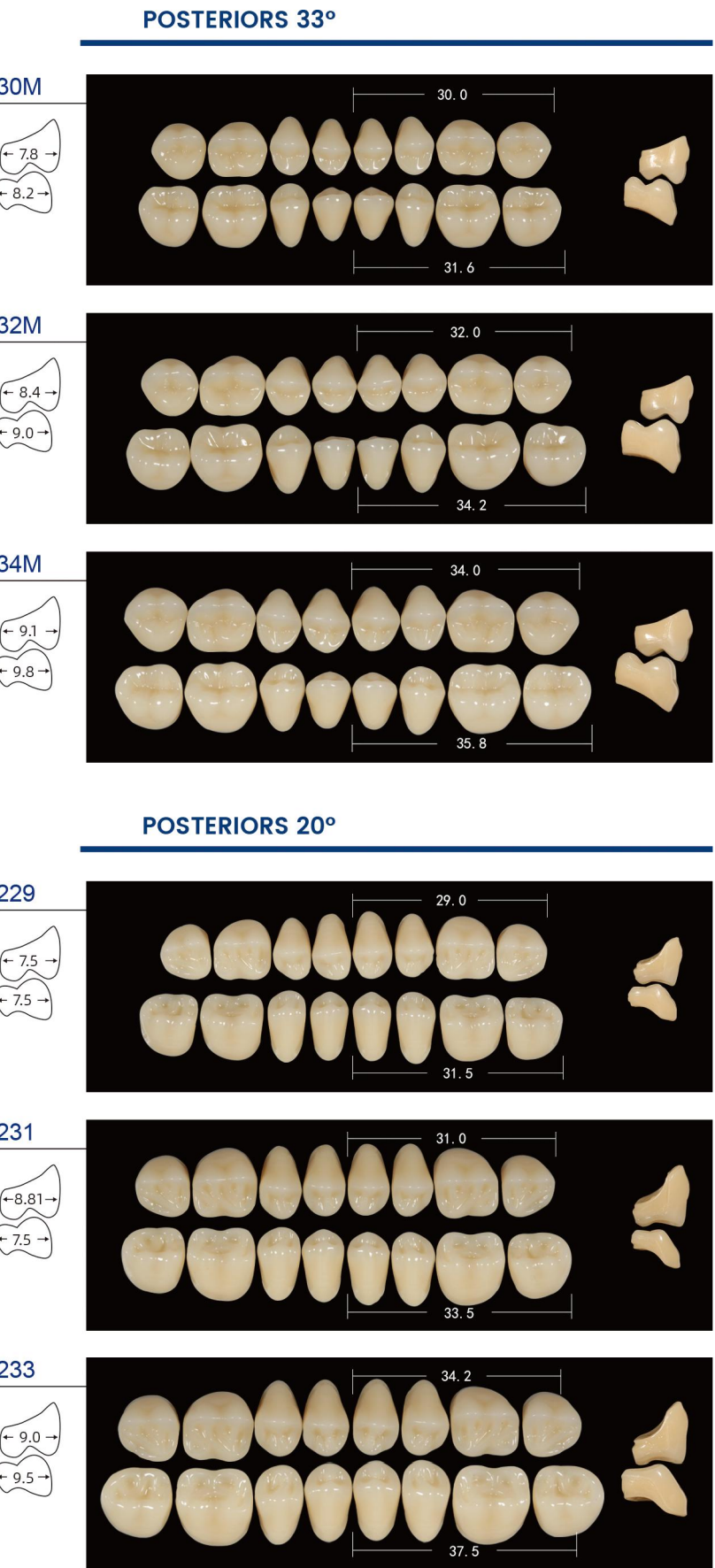
7.2
8.1

31.0
34.6

● Mould Chart



● Mould Chart



| SUGGESTED ARTICULATIONS | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|
| UPPER | LOWER | POSTS | POSTS | POSTS | POSTS | POSTS |
| ANTS | ANTS | 28° | 0° | 10° | 33° | 20° |
| S2 | L2/L3 | 30 | 031 | 130 | 30M | 229 |
| S3 | L5/L4 | 30 | 031 | 130 | 30M | 229 |
| S4 | L7 | 32 | 031 | 130 | 30M | 229 |
| S5 | L5/L4 | 32 | 031 | 130 | 32M | 231 |
| O5 | L8 | 34 | 031 | 132 | 32M | 231 |
| O8 | L14 | 36 | 033 | 134 | 34M | 233 |
| T1 | L1 | 30 | 031 | 130 | 30M | 229 |
| T3 | L6 | 32 | 031 | 130 | 30M | 229 |
| T4 | L6 | 32 | 031 | 130 | 30M | 229 |
| T5 | L7 | 32 | 031 | 130 | 30M | 229 |
| T6 | L7 | 32 | 031 | 130 | 30M | 229 |
| T7 | L7 | 32 | 031 | 130 | 30M | 229 |
| T9 | L11 | 32 | 031 | 130 | 32M | 231 |
| T11 | L11 | 34 | 031 | 132 | 32M | 231 |
| T12 | L14 | 36 | 031 | 132 | 34M | 231 |

• Moulds

- 15 upper anterior moulds
- 10 lower anterior moulds
- 30 posterior moulds

• Packing

- Anterior: Option 1: 6pcs/card; Option 2: 8cards/box;
- Posterior: Option 1: 6pcs/card; Option 2: 8cards/box;

**Sold by card or small box.*

• Shades

- Bleach shades: A00, A0
- Classical 16 A-D

NOBILDENT Select XL

- A classic tooth line made from PMMA resin with reliable quality



• Natural Beauty



Vivid chromatic layers

Natural moulding and texture



Natural incisal wear patterns

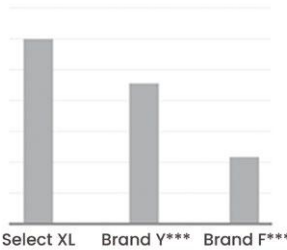
Opalescent play of colors



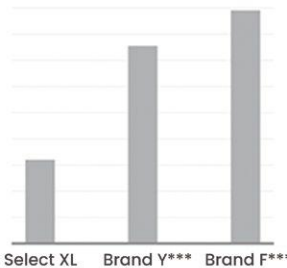
Natural fluorescence

• Physical Properties*

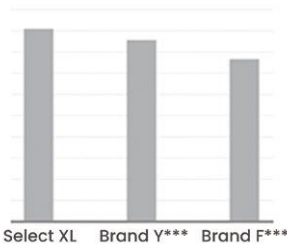
Vickers Hardness/HV0.2



Staining Test/ΔE

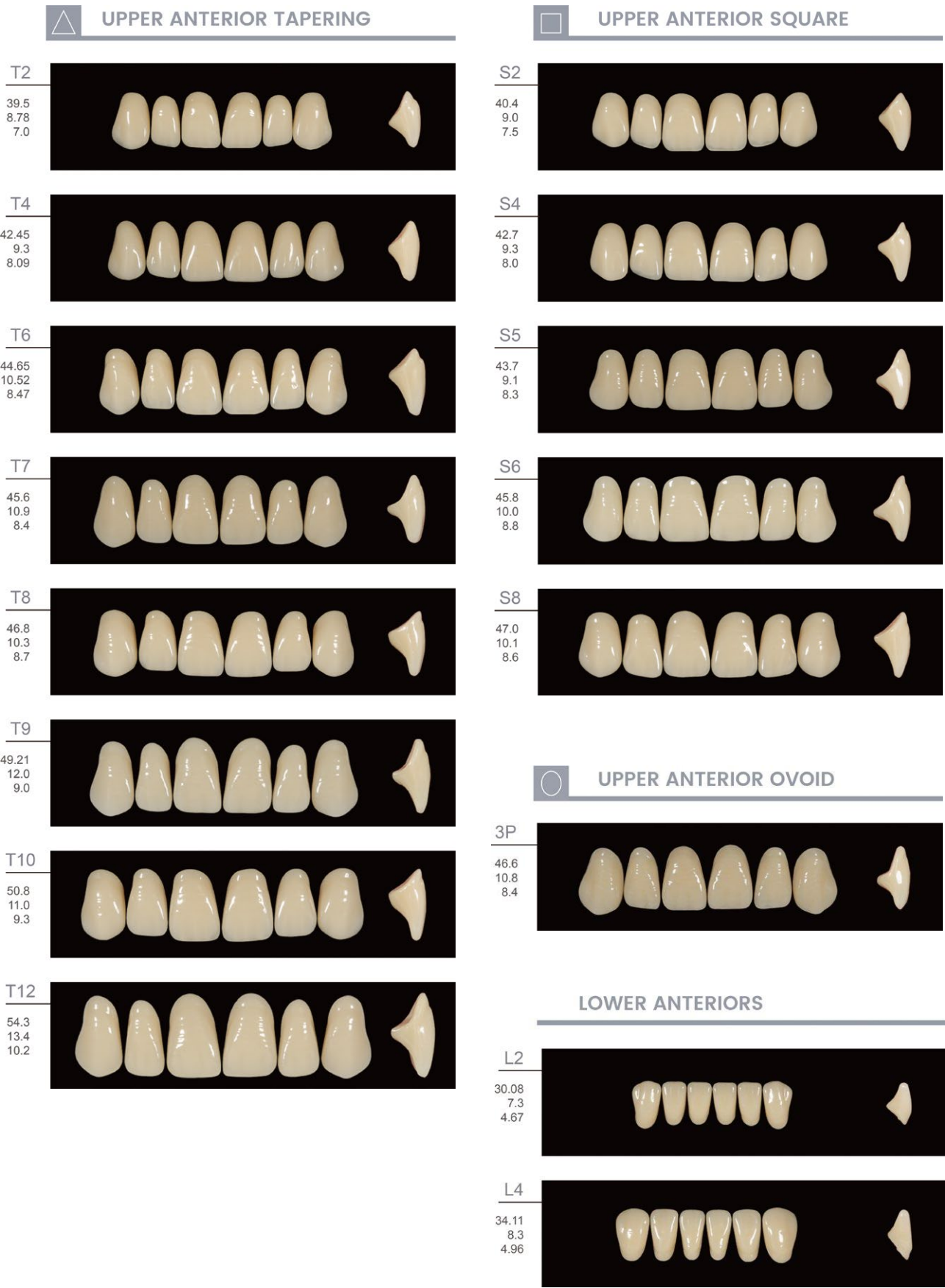


Bonding Strength/N

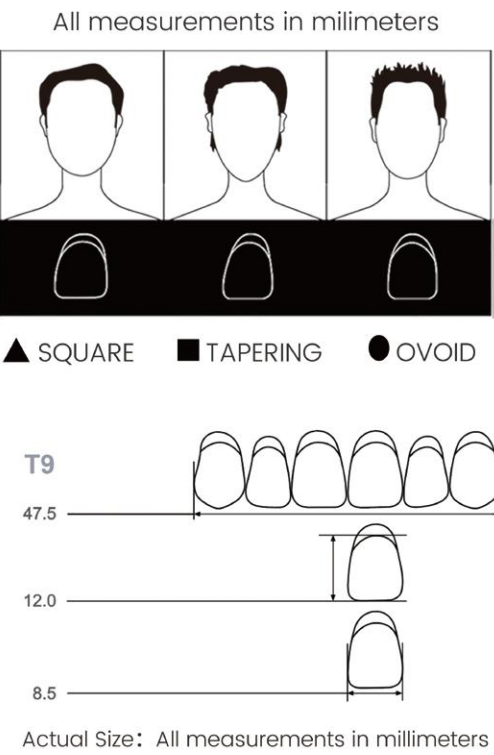
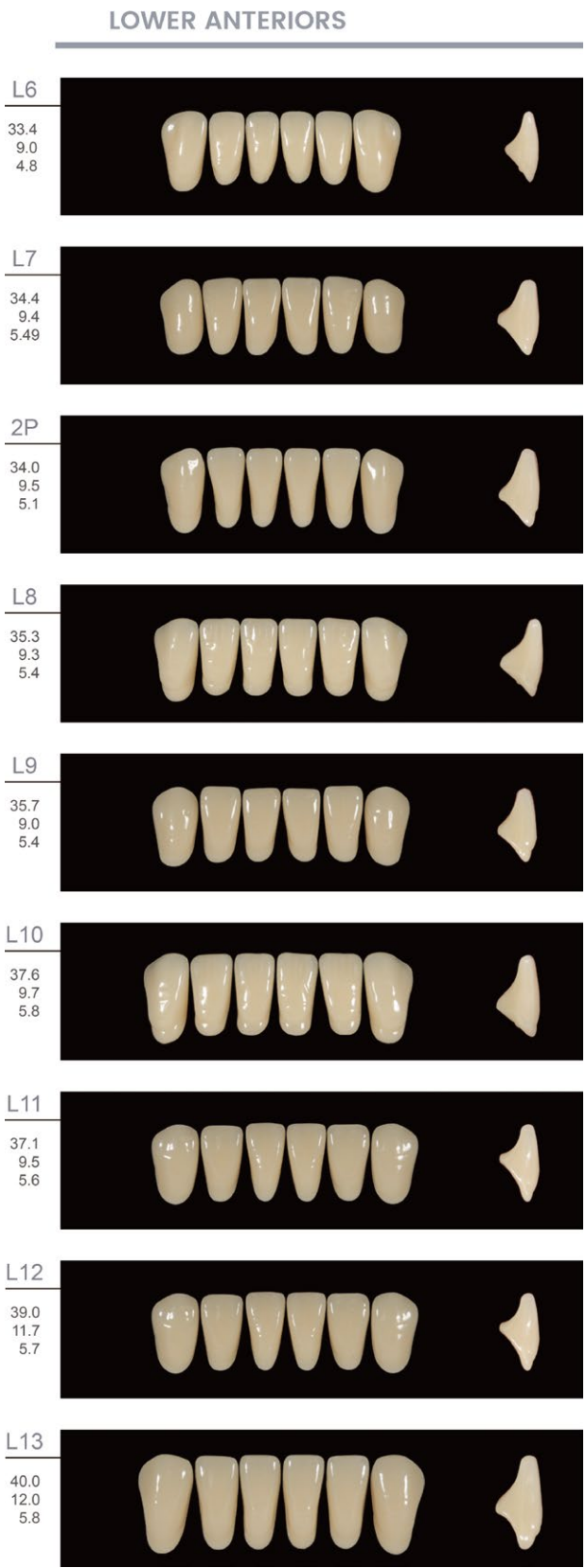


**Test report from HUGE professional laboratory*

● Mould Chart



● Mould Chart



● Mould Chart



| SUGGESTED ARTICULATIONS | | |
|-------------------------|----------|-----------|
| UPPER | LOWER | POSTERIOR |
| ANTERIOR | ANTERIOR | 28°/33° |
| S2 | L2 | 30 |
| S4 | L4 | 30 |
| S5 | L7 | 32 |
| S6 | L9 | 34 |
| S8 | L8 | 34 |
| T2 | L2 | 30 |
| T4 | L4 | 30 |
| T6 | L6 | 32 |
| T7 | L7/2P | 32 |
| T8 | L8 | 34 |
| T9 | L11 | 34 |
| T10 | L10 | 36M |
| T12 | L13 | 36M |
| 3P | L11/L12 | 34 |

● Moulds

- 14 upper anterior moulds
- 11 lower anterior moulds
- 8 posterior moulds

● Shades

- A1, A2, A3, A3.5, B1, B2, C2, D2

● Packing

- Anterior: 6x1x16/box (6pcs/card, 16 cards/box)
- Posterior: 8x1x12/box (8pcs/card, 12 cards/box)

**Sold by box. For purchases by card, please contact your local sales representative!*

NOBILDENT Delux EPN

- Let Your Smile Shine with NOBILDENT

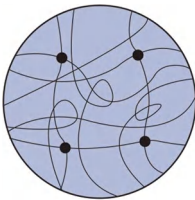


Natural Beauty

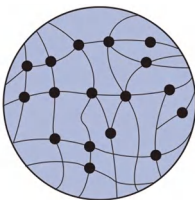
Multi-Layered perfection, designed for anterior excellence
Harmonized layering of posterior teeth
Smooth surface texture with aesthetics
BL2, BL3, A00 and A0 available at request

Reliable Durability

Double cross-linked material, the Extended Polymer Network (EPN)
Higher molecular weight and wear-resistance
Lower water absorption and higher stain-resistance
More durable than conventional PMMA



PMMA Polymer



EPN Polymer

Functional Design

Universally adaptable and reliable for all concepts of occlusal patterns with multifunctional
Easy and intuitive with occlusion designed by the cogwheel principle
Efficient with precise and easy-to-find centric design
Semi-anatomical occlusal cusp design for 28° and 20°

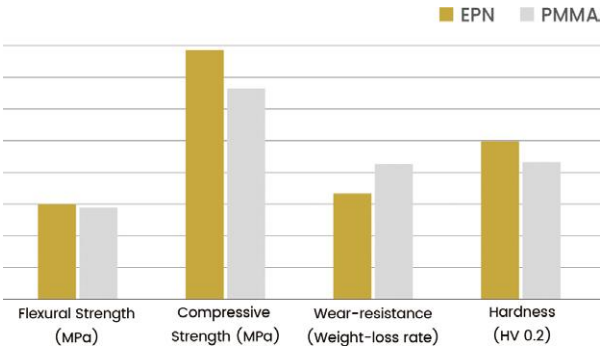
Performance of EPN Material^[1]

[1]: Test report from HUGE professional laboratory

Compatible with Digital Denture Workflow

Tooth library available in exocad & 3Shape
Enhanced workflow efficiency by 53%^[2]

[2]: Evaluation from HUGE's cooperating dental technicians



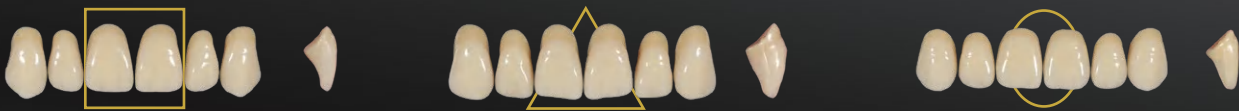
Functional descriptions

- Wide neck form to cover individual structural elements
- Harmonious enamel layer around to allow free custom adjustment
- Mechanical de-edging produces perfect and translucent flanks



Tooth mould design concept

According to human facial forms, the tooth shapes are designed into three most popular shapes



● Mould Chart

UPPER ANTERIOR SQUARE

S2

43.5
9.8
8.3

S3

46.0
10.3
8.7

S4

46.3
10.8
8.8

IS3

47.5
13.2
9.1

UPPER ANTERIOR TAPERING

T2

43.2
11.09
8.4

T4

45.0
11.0
8.7

T6

47.0
10.88
8.8

T8

48.5
10.9
8.8

IT2

43.7
11.75
8.2

IT3

48.9
12.0
9.1

UPPER ANTERIOR OVOID

IO2

47.8
11.2
9.1

● Mould Chart

LOWER ANTERIORS

L2

34.8
8.7
5.2

L3

34.6
9.4
5.0

L4

35.9
10.4
5.4

L6

37.4
9.0
5.7

L8

38.1
9.6
5.7

IL2

36.8
10.22
5.4

IL3

37.3
10.5
5.4

All measurements in millimeters

▲ SQUARE ■ TAPERING ● OVOID

T4

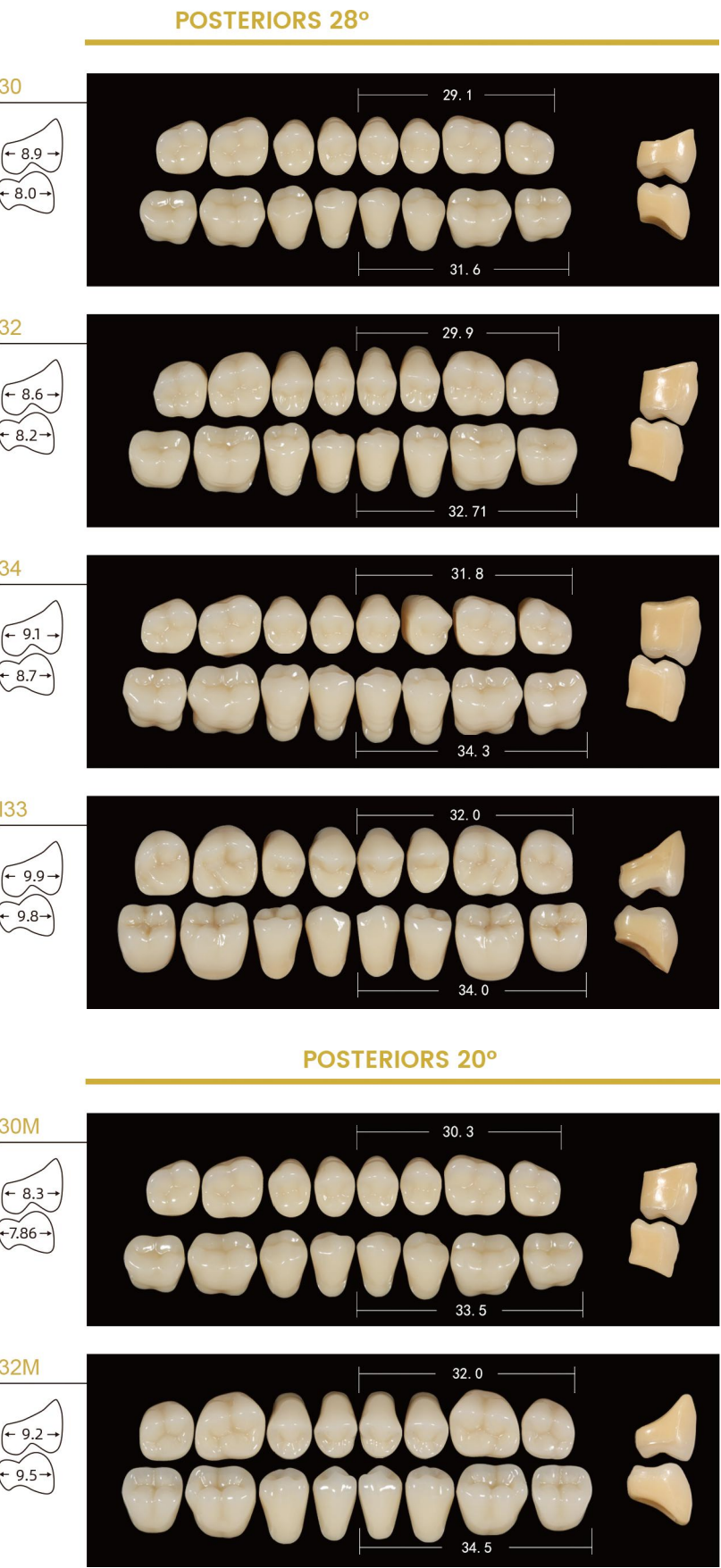
45.0

11.0

8.7

Actual Size: All measurements in millimeters

• Mould Chart





DENTURE BASE POLYMERS

Fast Heat Curing Type

Traditional Heat Curing Type

Self Curing Type



Fast Heat Curing Type

- 20-min fast curing saves your time and energy!



- **Unbreakable**

No fractures occurred when samples were dropped three times from 2m height

- **Shrink-resistant**

Good stability after curing ensures the accuracy of duplicates

- **No Bubbles**

High yield of finished products with no visible bubbles

- **Natural and lifelike**

Added veined pigment achieves a natural, lifelike appearance

- **High quality raw material**

- The main raw material is high-quality PMMA resin powder with high-molecular weight and very small particle size
- The features above deliver high strength, fine texture and excellent performance of the material

- **Technical specifications**

| | |
|--------------|---------------------|
| Dough time | 15 minutes |
| Working time | 10 minutes |
| Curing time | 20 minutes at 100°C |
| Mixing ratio | 1ml: 2.4 g powder |

- **Flexural strength (MPa)***



*Test Report, HUGE Dental Official Laboratory, 2022

Traditional Heat Curing Type

- *Stable quality delivers satisfactory final results!*

- Pliable texture
- Abundant shade options
- Shrink-resistant
- Natural aesthetics

• Technical specifications

| | |
|--------------|--------------------------|
| Dough time | 15 minutes |
| Working time | 10 minutes |
| Curing time | 90 minutes |
| Mixing ratio | 1ml liquid: 2.34g powder |



Self Curing Type

- *No heating required types brings elevated efficiency.*

- No heating required
- No bubbles
- Natural and lifelike
- Time-saving operation
- Various shades targeting individual cases

• Technical specifications

| | |
|--------------|--|
| Dough time | 15 minutes |
| Working time | 10 minutes |
| Curing time | 16-20 minutes |
| Mixing ratio | 1ml liquid (monomer): 2.2 g powder (polymer) |

• Storage

Store the product in the ventilated area and avoid fire, high temperature and direct sunlight.

Shelf life: powder: 3 years, liquid: 2 years

• Powder

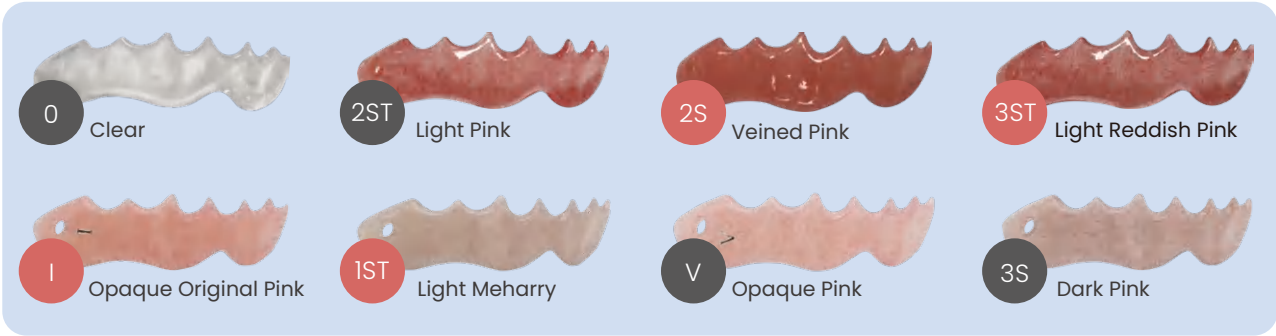
100g/bag, 10bags/box

1000g/can

• Liquid

500ml/bottle

• Shade





DUPLICATION SILICONES

GumEasy™ A-Silicone for Gingival Mask

Alphalab™ A-Silicone for Laboratory

Alphalab™ C-Silicone for Laboratory



A-Silicone for Gingival Mask

- Artificial gum silicone with both elastic and rigid types

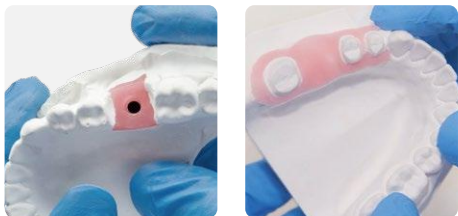


Main Usage Scenarios

- Applied to implant restoration process
- Applied to crown and bridge restoration process

Advantages

- Precise detail reproduction
- High mechanical strength
- Excellent esthetic results
- Compatible with various techniques (direct and indirect)
- Suitable for CAD/CAM process



Fluidity

Soft (H)

Soft (Former)

Soft (L)



Hard

| Recommended Application Scenarios | | |
|--|--|---|
| Product type | Recommended in the presence of undercuts | Recommended in the presence of implants |
| A-Silicone for Gingival Mask (Hard Type) | ★ ★ ☆ | ★ ★ ★ ★ |
| A-Silicone for Gingival Mask (Soft Type) | ★ ★ ★ | ★ ★ ★ ★ |

Technical Features

| Product | Mixing ratio (Base: Catalyst) | Working time* (min:s) | Setting time* (min:s) | Hardness (Shore A) | Scannable without sprays | Workable with a bur |
|------------------------------|-------------------------------|-----------------------|-----------------------|--------------------|--------------------------|---------------------|
| GumEasy HARD | 1:1 | 1:30 | 10:00 | 70 | ✓ | ✓ |
| GumEasy SOFT (High Fluidity) | 1:1 | 1:30 | 10:00 | 40 | | ✓ |
| GumEasy SOFT (Low Fluidity) | 1:1 | 1:30 | 10:00 | 40 | | ✓ |

Packaging

| Types | Description |
|-----------|---|
| Standard |  (2×50ml) |
| Elite kit |  (2×50ml+12 mixing tips+12 intraoral tips+1*10ml dental separator for silicones) |



GumEasy™

Shore A 40&70 | Available, Scannable

A-Silicone for Laboratory

- Addition-cure lab putty with high precision



Main Usage Scenarios

- Duplicating complete or partial denture models
- Making temporary prosthetic works
- Creating artificial gingiva on the model
- Matrix for esthetic veneer restoration

Advantages

- Easy mixing ratio 1:1
- High detail replication
- Reliable dimensional stability over time
- Resistant to high temperature
- Easy to drill
- Non sticky





Technical Data

| Mixing ratio | Mixing time* | Total working time* | Setting time* | Hardness | Color |
|--------------|--------------|---------------------|---------------|------------|------------|
| 1:1 | 30s | 1 min 30s | 8 min | Shore A 85 | Light Blue |

* The specified times may vary depending on the operating temperature and technique.

Packaging

| Types | Description |
|--------------|---|
| Standard tub |  (5kg tub Base+ 5kg tub Catalyst) |
| Standard can |  (450g can Base + 450g can Catalyst) |

Alph@labTM
Heat Resistance
400°F

C-Silicone for Laboratory

- Condensation-cure kneading silicone for precise duplication of models



Main Usage Scenarios

- Duplicating complete or partial denture models
- Making temporary prosthetic works
- Creating artificial gingiva on the model
- Matrix for esthetic veneer restoration



Advantages




- Excellent dimensional stability
- Precise detail reproduction
- Available in diverse hardness:Shore A 85 and Shore A 90

Technical Data

| Mixing time* | Total working time* | Setting time* | Hardness | Color |
|--------------|---------------------|---------------|-----------------------|-----------|
| 30s | 2 min | 7 min | Shore A 85/Shore A 90 | Gray Pink |

* The specified times may vary depending on the operating temperature and technique.

Packaging

| Types | Description |
|---------------------|--|
| Standard big tub |  x5 (10kg tub Base+ 5*40g tube Catalyst) |
| Standard medium tub |  x2 (5kg tub Base + 2*40g tube Catalyst) |
| Sample can |  (50g can Base + 3g tube Catalyst) |



Alph@labTM

Tear Strength

6.5kN/m



LIGHT CURING TRAY & UNIT

Light Curing Tray

Light Curing Unit



Light Curing Tray

- Well-performed custom material meets your individual needs.

- Applications

- Making individual trays
- Making temporary base plates

- Variants



- Available colors: pink, blue
- Thickness available: 2.3mm, 2.0mm, 1.6mm

- Satisfactory performance

- Easy operation and fast setting
- High flexural strength over 110MPa
- Stable in shape during delivery
- Low deformation rate, hard to displace in mouth

- Packaging



Light Curing Unit

- Highly efficient light cure machine for setting Light Curing Tray.

- Features

- High polymerization capacity
- Low maintenance

- Technical data

- Light wave: 395nm
- Voltage options: 110V, 220V
- Timer options: 180s and 30 min

- Packaging



Flexural Strength
>110MPa

NOBILDENT Digitalife Denture Solution

Thanks to its developed product line and rich experience in dental laboratory products, HUGE now is in the forefront of the digital dentistry and provides you perfect Digital Denture Solutions.

To fabricate digital full dentures with aesthetic appearance and elevated efficiency, you must try NOBILDENT Digital Denture Workflow.

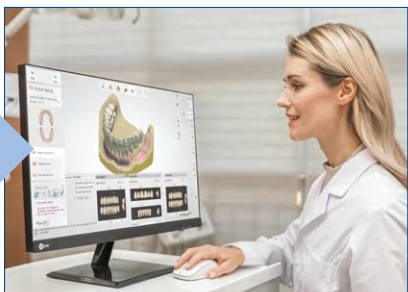
What can you expect:

- Time-saving process ✓
- Aesthetic appearance ✓
- Precise result ✓
- Meet your individual needs ✓
- Deep integration with digital dentistry ✓



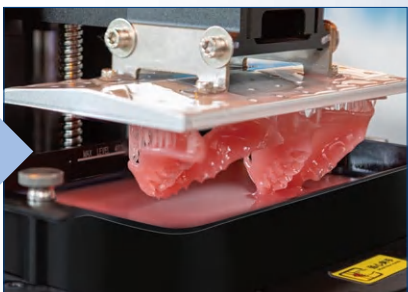
01 >> Oral Scan

i-Vinci Intraoral Scanners



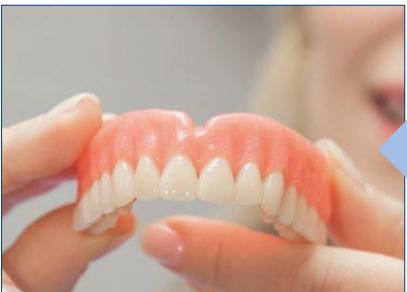
02 >> CAD Process

NOBILDENT Tooth Libraries available in 3shape and exocad



03 >> 3D Printing

NOBILDENT Edge E2 & Edge mini



06 << Satisfactory Result

Bring Convenient Smiles



05 << Digital Bonding

NOBILDENT Self Curing Resin



04 << Teeth Preparation

NOBILDENT Synthetic Polymer Teeth

GumEasy Artificial Gum Solution

Your workflow with **GumEasy™** A-Silicone for Gingival Mask

HUGE is committed to creating the perfect implant restoration results, with a complete range of materials from clinical products to laboratory materials. HUGE provides you with high-quality, innovative and cost-effective dental implant solutions that can meet all your aesthetic needs.

It's highly recommended to reproduce gingival morphology on models in implant applications for improving the accuracy of implantation.

We promise to bring:

- Precise impression results ✓
- Comfortable prosthesis ✓
- Long-lasting and aesthetic restoration ✓

Impression Taking

01 PERFIT Impression Silicone & Light Curing Tray

Model Fabrication

02 A-Silicone for Gingival Mask

Temporary Restoration

03 NOBILCAM Multilayer PMMA BLOCK

Final Restoration

04 NOBILCAM Zirconia Block

Bonding System

05 TopCEM Dental Restorative Materials

