



# OralTech

DIGITAL

Resinas dentales recomendadas por expertos

## CATALOGO DE RESINAS PARA IMPRESION 3D

# RODIN<sup>®</sup>

3D Resin



## SHINING3D<sup>®</sup>

# keyprint<sup>®</sup>

# Graphy

3D Print the World with Graphy's Solutions



## SAREMCO





# Rodin™ Sculpture 2.0

## Zirconia Nanohybrid

Rodin™ Sculpture 2.0 is the next monumental evolution of Pac-Dent's crown and bridge material. This zirconia-infused nanohybrid has been engineered to transcend the standards of permanent dental restorations. This next-generation resin achieves previously unseen levels of flexural strength and ceramic filler content, redefining what can be achieved through 3D printed restorations.

### Benefits & Features

|                                  |                                    |                               |  |
|----------------------------------|------------------------------------|-------------------------------|--|
|                                  |                                    |                               |  |
| Unmatched Strength               | Best in Class Radiopacity          | Improved Aesthetics           | Qualifies for Select ADA Reimbursement Codes |
|                                  |                                    |                               |  |
| Optimal Durability and Toughness | Vita Classic Shade System Matching | Lifelike Incisal Translucency | FDA 510K/Health Canada/TGA Cleared           |

### APPLICATIONS

|                  |         |          |                 |
|------------------|---------|----------|-----------------|
|                  |         |          |                 |
| Permanent Crowns | Bridges | Implants | Inlays & Onlays |

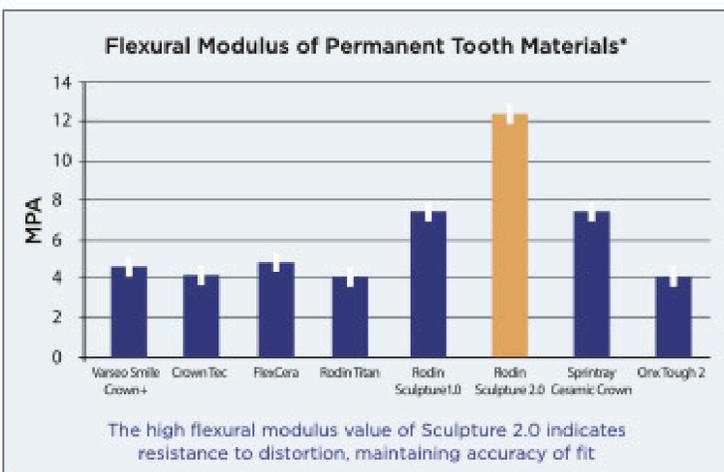
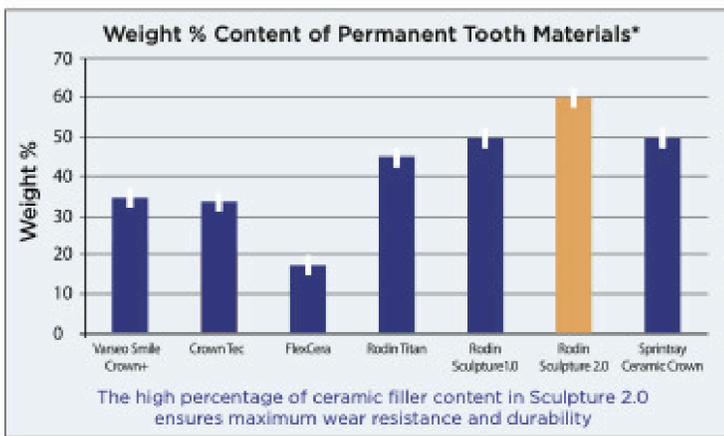
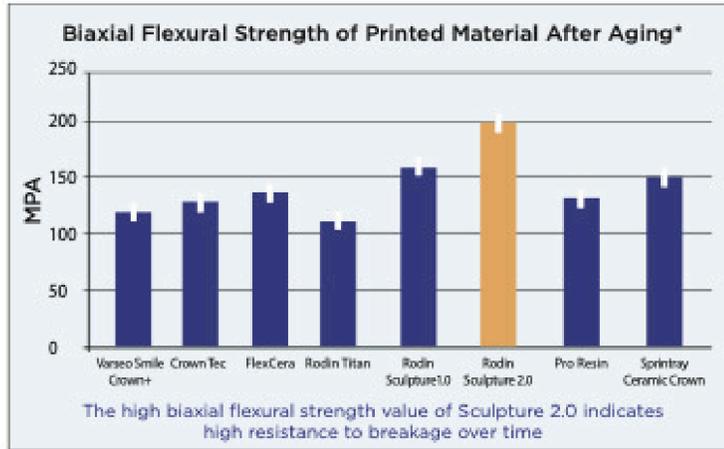
| Rodin Sculpture 2.0 | Rodin Sculpture | Rodin Titan |
|---------------------|-----------------|-------------|
|---------------------|-----------------|-------------|

|  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>Recommended for Strength For temporary and permanent fixed restorations</li> <li>Improved Strength: Rodin™ Sculpture 2.0 boasts an impressive Biaxial Flexural Strength of 200 MPa</li> <li>Sculpture 2.0 now consists of over 60% ceramic filler content, providing a substantial increase in strength and superior X-ray radiopacity</li> <li>Class II Zirconia-Infused Ceramic Nanohybrid</li> </ul> | <ul style="list-style-type: none"> <li>Recommended for Aesthetics</li> <li>For single crowns, inlays, onlays, and veneers, denture tooth arches, all-on-x provisionals</li> <li>Rodin™ Sculpture features a Biaxial Flexural Strength of 175 MPa, and a Flexural Modulus of 6500 MPa</li> <li>Rodin Sculpture consists of over 50% ceramic filler content</li> <li>Class II Ceramic Nanohybrid</li> </ul> | <ul style="list-style-type: none"> <li>Recommended for Flexibility</li> <li>For high impact prosthetic indications: (All on Xs, screw retained dentures, full arch denture teeth)</li> <li>Improved Flexibility: Rodin™ Titan features a significantly reduced flexural modulus, providing exceptionally high impact strength</li> <li>Rodin Titan features analogous ceramic filler content to Rodin Sculpture</li> <li>Class II Ceramic Nanohybrid</li> </ul> |
|--|---|---|



# Rodin™ Sculpture 2.0

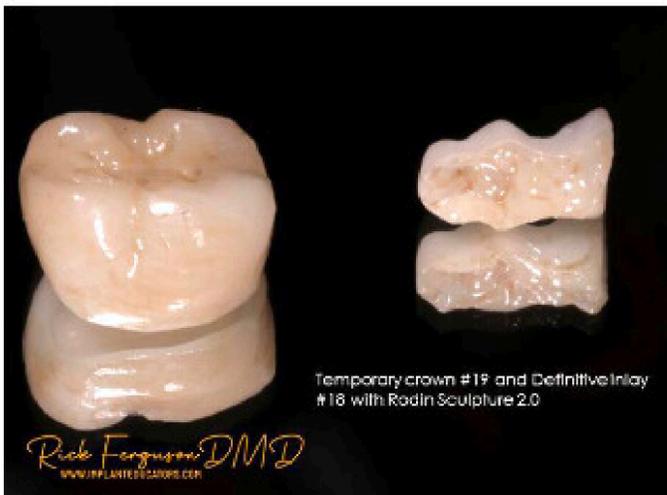
## Zirconia Nanohybrid



\*Third party validation data provided by Dr. Russell Giordano of Boston University

| Order Information |               |              |              |
|-------------------|---------------|--------------|--------------|
| Shades            | 1.2 kg Bottle | 600 g Bottle | 300 g Bottle |
| OM3               | 23869         | 23887        | 23905        |
| A1                | 23875         | 23893        | 23911        |
| A2                | 23876         | 23894        | 23912        |

**Disponibile en  
Mexico**



“ Analysis of Rodin Sculpture reveals a highly filled printable resin with good mechanical properties that actually meets the ADA criteria for classification as a ceramic restorative material. Nearly all other printable materials marketed as permanent restorations do not meet this standard.

- Dr. Russell Giordano II, D.M.D, D.M.Sc. FADM, FADI, CAGS ”



## Rodin™ Titan

Ceramic Nanohybrid

Rodin™ Titan is Pac-Dent's latest ceramic nanohybrid resin designed for printing long-term full arch restorations and provisional hybrid dentures. Rodin™ Titan preserves the core composition of Rodin™ Sculpture – a class II ceramic nanohybrid with analogous ceramic filler content, but now features a substantially increased flexibility for enhanced impact strength.

### Benefits & Features



Improved Flexibility



High Impact Strength



Improved Aesthetics



Optimal Durability and Toughness



Vita Classic Shade System Matching



Lifelike Incisal Translucency



FDA 510K/Health Canada/TGA Cleared

### APPLICATIONS



All on X



Denture Teeth



Veneers

#### Rodin Titan

- Recommended for Flexibility
- For high impact prosthetic indications: (All on Xs, screw retained dentures, full arch denture teeth)
- Improved Flexibility: Rodin™ Titan features a significantly reduced flexural modulus, providing exceptionally high impact strength
- Rodin Titan features analogous ceramic filler content to Rodin Sculpture
- Class II Ceramic Nanohybrid

#### Rodin Sculpture

- Recommended for Aesthetics
- For single crowns, inlays, onlays, and veneers, denture tooth arches, all-on-x provisionals
- Rodin™ Sculpture features a Biaxial Flexural Strength of 175 MPa, and a Flexural Modulus of 6500 MPa
- Rodin Sculpture consists of over 50% ceramic filler content
- Class II Ceramic Nanohybrid

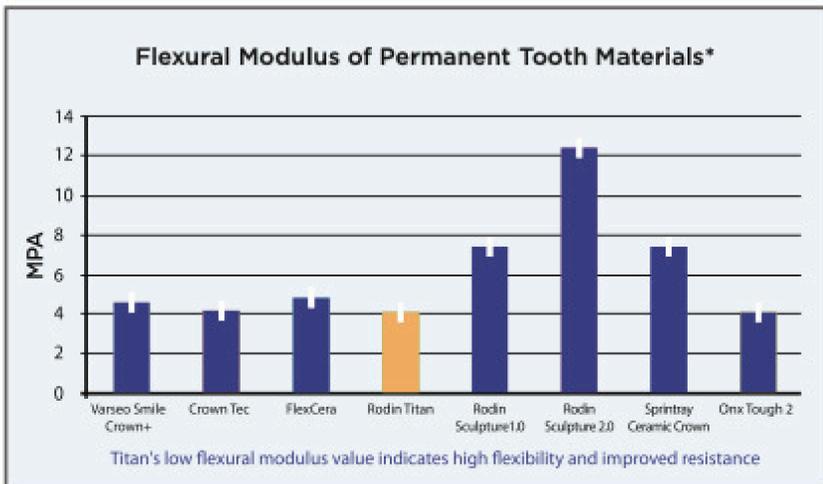
#### Rodin Sculpture 2.0

- Recommended for Strength For
- temporary and permanent fixed restorations
- Improved Strength: Rodin™ Sculpture 2.0 boasts an impressive Biaxial Flexural Strength of 200 MPa
- Sculpture 2.0 now consists of over 60% ceramic filler content, providing a substantial increase in strength and superior X-ray radiopacity
- Class II Zirconia-Infused Ceramic Nanohybrid



# Rodin™ Titan

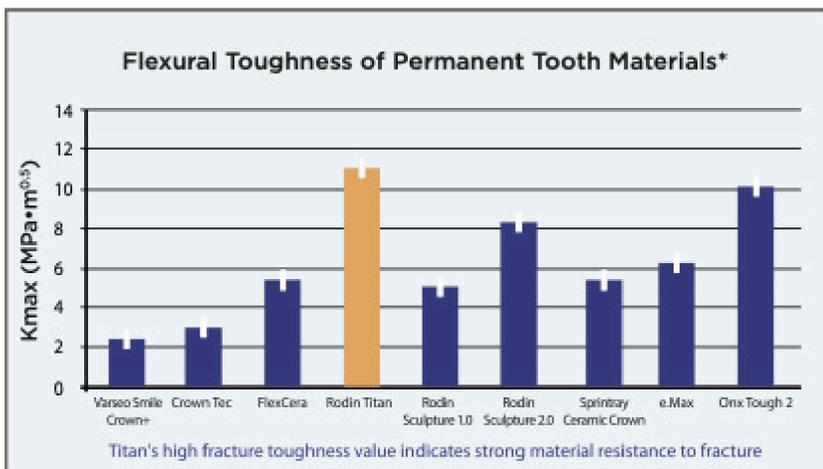
## Ceramic Nanohybrid



Congratulations to Pac-Dent for their continuous innovation. Rodin Titan's dynamic flexural modulus provides the flexibility needed for printing screw retained prostheses and removable indications. I endorse Titan and the remarkable benefits it presents to clinicians and patients alike.



- Dr. Rick Ferguson DMD,DABOI/ID,DICOI



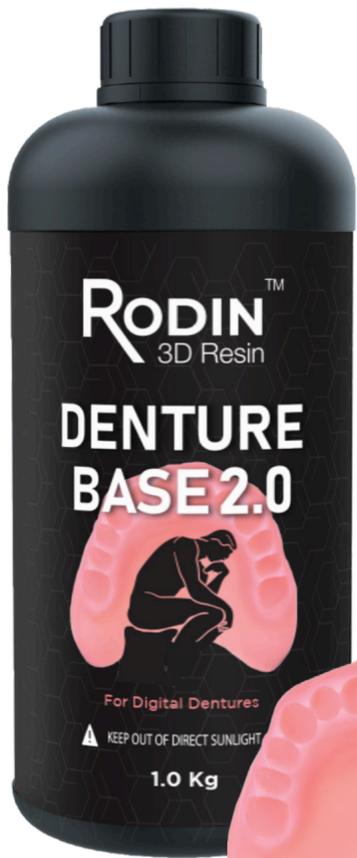
| ORDER INFORMATION |               |              |              |
|-------------------|---------------|--------------|--------------|
| Shades            | 1.2 Kg Bottle | 600 g Bottle | 300 g Bottle |
| OM3               | 23985         | 23991        | 23997        |
| A1                | 23987         | 23993        | 23999        |
| A2                | 23988         | 23994        | 24000        |

**Disponibile en Mexico**

\*Third party validation data provided by Dr. Russell Giordano of Boston University

Rodin Titan boasts greater flexibility than its other ceramic nanohybrid counterparts. This lower flexural modulus value indicates that the material is more flexible, improving the fracture resistance of the printed restoration. Titan's higher fracture toughness makes it the ideal choice for high impact prosthetic indications.





# Rodin™ Denture Base 2.0

## Denture Base Resin

Rodin™ Denture Base 2.0 is a biocompatible Class II material that is revolutionizing the creation of denture bases. With its improved flexibility, stability, and a diverse range of gingival shades, this advanced formula offers a new standard in denture fabrication, combining durability, aesthetics, and patient comfort.

### Benefits & Features



High Impact Strength



Highest Fracture & Wear Resistance



Stunning Aesthetics



Outstanding Durability



Expanded Shade Options



Original Pink

Classic Pink



23860



23864

### Technical Data

|                                    | Pac-Dent        |
|------------------------------------|-----------------|
| Viscosity 23C (cps)                | 1300 - 2400 cPa |
| Shore Hardness ASTM D2240          | ≥ 95 Shore D    |
| Flex Strength MPa (SD) ISO 20795-1 | 114 - 130 MPa   |
| Flexural Modulus (MPa)             | 2063 - 2826 MPa |



High translucency on Denture Base & Sculpture.  
Courtesy of Lee Culp, CDT, Sculpture Studios



Pink shade mimics gingiva tissue  
Courtesy of Daniel Nowak, CDT

### Order Information

**23860** Rodin™ Denture Base 2.0 | Original Pink, 1 kg/Bottle

**23864** Rodin™ Denture Base 2.0 | Classic Pink, 1 kg/Bottle

**23862** Rodin™ Denture Base 2.0 | Light Pink, 1 kg/Bottle

**23861** Rodin™ Denture Base 2.0 | Meharry, 1 kg/Bottle



# Rodin™ Splint 2.0

Clear Bite Splint Resin

Proximamente

Rodin™ Splint 2.0 is at the forefront of dental resin technology, offering unmatched stability, strength, and wear resistance. Precisely engineered for 3D printing of dental splints, night guards, retainers, and snoring devices, this resin is the ideal choice for patients experiencing severe bruxism, night grinding, or snoring issues. Its superior physical properties ensure both effectiveness and longevity.

## Technical Data

|                                       |                 |
|---------------------------------------|-----------------|
| Flex Strength MPa (SD)<br>ISO 20795-1 | <b>Pac-Dent</b> |
| Flexural Modulus (MPa)                | 80 - 90 MPa     |
|                                       | 3527 - 4228 MPa |

## Benefits & Features



Unmatched Strength



Highest Fracture & Wear Resistance



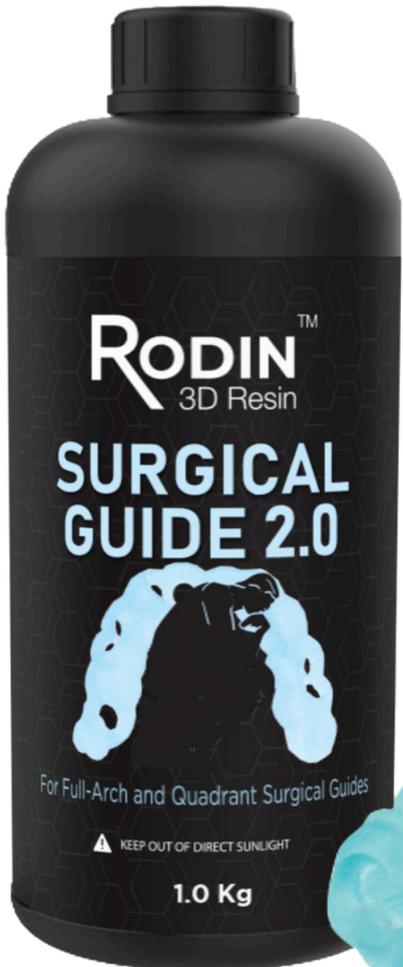
Optically Transparent



ADA Code D9944 & D9946 Insurance Qualified

## Proximamente

**23865** Rodin™ Splint 2.0, 1kg/Bottle  
Rodin™ FlexiSplint Soft coming soon



# Rodin™ Surgical Guide 2.0

Surgical Guide Resin

Rodin™ Surgical Guide 2.0 is a breakthrough in the field of dental surgical guides, offering unmatched flexural strength and durability. Specifically engineered for printing both full-arch and quadrant surgical guides, this high-performance resin is designed to withstand the rigors of surgical procedures, ensuring maximum shatter resistance and maintaining dimensional stability even under high temperatures.

## Technical Data

|                                       |                 |
|---------------------------------------|-----------------|
| Flex Strength MPa (SD)<br>ISO 20795-1 | <b>Pac-Dent</b> |
| Flexural Modulus (MPa)                | 120 - 132 MPa   |
|                                       | 2038 - 2716 MPa |

## Benefits & Features



Maximum Shatter Resistance



Dimensional Stability for Autoclaving



Optimized Visibility



Distinct Coloration

## Order Information

**23867** Rodin™ Surgical Guide 2.0, 1kg/Bottle

# Rodin™ Palette Naturalizing Kit



Image provided by Andrew Priddy, CDT



Image provided by Archibald Digital

Introducing Rodin™ Palette Naturalizing Kit by Pac-Dent, an innovative light-curable staining system that uses advanced nano-technology chemistry inspired by Rodin Sculpture to guarantee a delamination-free bond. Offered in a wide range of colors and shades, Rodin Palette provides users with tools to replicate natural tooth and gingiva features. Enhancing both visual appeal and durability, it's ideal for long-term provisional and permanent 3D-printed restorations.

- Comprehensive color selection empowers users to precisely characterize and color match restorations and provisional appliances with stunning accuracy.
- Provides best-in-class wear resistance, ensuring long-lasting performance.
- Indicated for use with indirect and direct composite restorations and provisionals comprised of ceramic resin.
- Requires a Nitrogen Based Curing System for optimal results.

## Order Information

### 3DR-PLT-KIT

#### Rodin™ Palette Intro Kit:

- 14x Pre-Filled 1 ml Syringes
- 1x Rodin™ Glaze 60g Bottle
- 1x Mixing Well

#### Applicators:

- 100x Standard Micro Pro™
- 100x Tapered Micro Pro™
- 100x Ultra-Fine Micro Pro™

## PALETTE

Naturalizing Kit Refills



“Rodin Palette has working characteristics unlike anything I’ve encountered and is a serious addition to any 3D line. Material control is key to some stunning effects with this product.”  
– Andrew Priddy, CDT



Rodin™ Palette Refill Kit



# RODIN™

## 3D Resin

**THE FUTURE IS HERE**



**Remarkable**

Wear Resistance

**Stunning**

Natural-like Aesthetics

**Successfully**

Tested for Biocompatibility

**Regulatory Approved**

FDA 510k/Health Canada/  
TGA Cleared

### COMPATIBLE PRINTERS

Pac-Dent has validated Rodin™ 3D Resin in workflows with these select printers.



Ackuretta SOL



Asiga® Max  
(385 nm)



Asiga® Pico 2  
(385 nm)



Asiga® Pro 4K  
(385 nm)



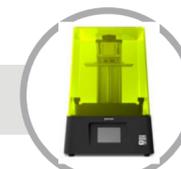
Carbon®  
3D Printer



Flashforge®  
Focus 6K



Nexa3D Xip



Phrozen®  
Sonic Mini 8K S



Phrozen®  
Sonic Mini 8K



Phrozen Sonic®  
Mini 4K



RayShape®  
Edge E1



RayShape®  
Shape 1+Dental



Shining 3D  
AccuFab-D1s



Shining 3D  
AccuFab-CEL/L4D/L4K



WhipMix  
VeriEKO



And More  
Coming  
Soon



# COMPATIBLE LIGHT CURING DEVICES

| Validation Status   | ✓ Verified Compatibility |              |                                     |                     |                         |                   |                          |                         |                           |                       |                       |                  |              |
|---|--------------------------|--------------|-------------------------------------|---------------------|-------------------------|-------------------|--------------------------|-------------------------|---------------------------|-----------------------|-----------------------|------------------|--------------|
|   | Rodin™ Sculpture 2.0     | Rodin™ Titan | Rodin™ Sculpture Ceramic Nanohybrid | Rodin™ Denture Base | Rodin™ Denture Base 2.0 | Rodin™ Splint 2.0 | Rodin™ Clear Bite Splint | Rodin™ Custom Bite Tray | Rodin™ Surgical Guide 2.0 | Rodin™ Surgical Guide | Rodin™ Try-In Denture | Rodin™ Ortho IBT | Rodin™ Model |
| <br>Dreve PCU LED N2     | ✓                        | ✓            | ✓                                   | ✓                   | ✓                       | ✓                 | ✓                        | ✓                       | ✓                         | ✓                     | ✓                     | ✓                | ✓            |
| <br>Ackuretta Curie Plus | ✓                        | ✓            | ✓                                   | ✓                   | ✓                       | ✓                 | ✓                        | ✓                       | ✓                         | ✓                     | ✓                     | ✓                | ✓            |
| <br>Ackuretta Curie      | ✓                        | ✓            | ✓                                   | ✓                   | ✓                       | ✓                 | ✓                        | ✓                       | ✓                         | ✓                     | ✓                     | ✓                | ✓            |
| <br>Formlabs Form Cure | ✓                        | ✓            | ✓                                   | ✓                   | ✓                       | ✓                 | ✓                        | ✓                       | ✓                         | ✓                     | ✓                     | ✓                | ✓            |
| <br>Otoflash           | ✓                        | ✓            | ✓                                   | ✓                   | ✓                       | ✓                 | ✓                        | ✓                       | ✓                         | ✓                     | ✓                     | ✓                | ✓            |

For Best Aesthetics and Mechanical Properties

**MOST RECOMMENDED**

## SOBRE PEDIDO



Rodin™ Bite-Tray  
for printing custom bite  
and impression trays

Order Information

**3DR-TRAYF**  
Custom Bite Tray Resin, 1 kg



Rodin™ Model  
for printing removable  
die and solid models

Order Information

**3DR-TANF**  
Model Resin, 1kg



Rodin™ Ortho IBT  
for printing custom  
orthodontic bracket  
placement guides

Order Information

**3DR-OIBTF**  
Indirect Bonding Tray Resin, 1kg



Rodin™ Castable  
for printing lost cast  
waxing technique patterns

Order Information

**3DR-CASTF**  
Castable Resin, 1kg

# DT01



## Try-In Denture Resin

Denture Try-In DT01 is an excellent choice for printing denture try-in. This material has best performance in flexural strength, high hardness and low viscosity without product being brittle. Displays good colour stability, tasteless and easy cleaning. Mutli-colour choice allows for different gingiva colour choice, restore nature gingiva colour and excellent texture. DT01 is recommended to place at room temperature  $23\pm 2$  with humidity  $<70\%$



- Mutli-Colour Choice: Light Pink/ Light Reddish Pink/ Original
- Tasteless, high hardness, low viscosity

### ■ Physical Properties - Liquid Status

|            |             |
|------------|-------------|
| Colour     | OR/ LP/ LRP |
| Viscosity  | 750         |
| Wavelength | 405nm       |

### ■ Mechanical Properties - Post Cured Parts

| Property            | Value                    | Reference/Standard |
|---------------------|--------------------------|--------------------|
| Flexural Strength   | 98 MPa                   | ISO 178 ISO        |
| Flexural modulus    | 2800 MPa                 | 178 ISO            |
| Flexural Strength   | 75 MPa                   | 20795-2            |
| Impact strength     | $>2.5$ kJ/m <sup>2</sup> | ISO 180 ISO        |
| Elongation at break | 7%                       | 527-1 ISO          |
| Biocompatible       | Comply                   | 10993-1            |

| Post Processing                | Value                          |
|--------------------------------|--------------------------------|
| Cleaning time with 95% ethanol | Manual cleaning 20 secs        |
| Recommended curing time        | Fabcure 2: 10min at 60 degrees |

# DM03

## Implant Model (Grey)

Dental model DM03 is the ideal choice for printing implant models and separated models for C&B applications. This material has features including high toughness, high pressure resistance, etc. This allows the best experience when using for implant models. The hardness and mechanical properties of cured resin allows DM03 to resist abrasion and tearing force during seating and finishing implant cases, ensuring perfect cases every time. The grey colour allows the perfect performance in model details.

DM03 is recommended to place at room temperature  $23\pm 2^{\circ}\text{C}$  with humidity  $<70\%$



- Accuracy of printed curing model Within 10 days  $>90\%$   
Within 15 days  $>85\%$

### ■ Physical Properties - Liquid Status

|                       |       |
|-----------------------|-------|
| Color                 | Grey  |
| Viscosity @25°C   cps | 870   |
| Wavelength            | 405nm |

### ■ Mechanical Properties - Post Cured Parts

| Property                | Value | Test Method |
|-------------------------|-------|-------------|
| Hardness   Shore D      | 77    | ISO         |
| Tensile Modulus   MPa   | 1021  | 868         |
| Tensile Strength   MPa  | 27.35 | ISO         |
| Elongation at break   % | 1429  | 527         |
| Flexural Modulus   MPa  | 54    | ISO         |
| Flexural Strength   MPa | 10.7  | 527         |
| Notch Izod   J/m        |       | ISO         |

| Post Processing                | Value                                     | ISO 178 |
|--------------------------------|---|---------|
| Cleaning time with 95% ethanol | Ultrasonic bath: 300 ± 60secs             |         |
| Recommended curing time        | Fabcure 1: 10 mins, Calico Cure 2: 7 mins |         |

# DC12

## Crown, Bridge, Partial Framework

Dental Cast DC12 is a printable wax-like photopolymer specially developed for investment casting. DC12 is the ideal resin choice for dental applications such as crown and bridge casting and cast partial dentures frameworks. DC12 burns out clean and can also be used in pressed ceramic applications.

→ Low deformation, clean burnout outcome



### ■ Physical Properties - Liquid Status

|                       |       |
|-----------------------|-------|
| Color                 | Green |
| Viscosity @25°C   cps | 128   |
| Wavelength            | 405nm |

### ■ Mechanical Properties - Post Cured Parts

| Property                       | Value                                  | Test Method |
|--------------------------------|--|-------------|
| Hardness   Shore D             | 83                                     | ISO         |
| Tensile Modulus   MPa          | 1693                                   | 868         |
| Tensile Strength   MPa         | 40                                     | ISO         |
| Elongation at break   %        | 2.8                                    | 527         |
| Flexural Modulus   MPa         | 1469                                   | ISO         |
| Flexural Strength   MPa        | 20                                     | 527         |
| Post Processing                | <b>Value</b>                           | ISO         |
| Cleaning time with 95% ethanol | Ultrasonic bath: 60 ± 10 secs          | 527         |
| Recommended curing time        | Fabcrete 1: 4 mins, Fabcrete 2: 3 mins | ISO 178     |

**FDA 510K CLEARED | CE MARKED (CLASS IIa) | HEALTH CANADA LICENSED  
AVAILABLE IN THE USA, CANADA, EU, AUS AND OTHER GLOBAL TERRITORIES**

“I honestly believe this will change printed splints forever. It has unbelievable fracture resistance and mind blowing elastic memory.” — **JAY PATRICK, DENTAL DEVICES BY JASON**



Utilizing unique technologies, Keystone Industries has developed a one-of-a-kind 3D printing resin for the fabrication of flexible, durable dental splints and nightguards. This DLP-optimized resin is an exceptional printing material that combines the strength needed to protect teeth against disorders like bruxism, with added flexibility for better patient comfort.



**VIEW OUR KEYSPLINT  
SOFT VIDEO!**

**(242-1125) ...0.5kg/Bt**  
**(137-2758) .....1kg/Bt**

\*Currently available from multiple dealers. Please contact us!



**BIOCOMPATIBLE**



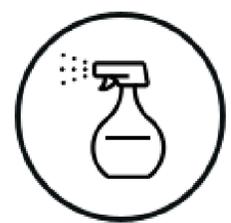
**STRONG**



**FLEXIBLE**



**EASY TO POLISH**



**EASILY CLEANED**

8 KEYPRINT



[www.oraltech.mx](http://www.oraltech.mx)

# KeySplint Soft®

## Revolutionizing Night Guard and Splint Technology



### FEATURES

- STRONG & FLEXIBLE; NOT BRITTLE
- BIOCOMPATIBLE MEDICAL DEVICE
- TRANSLUCENT
- UNIQUE TECHNOLOGY
- BPA, MMA & PHTHALATE FREE

### PROPERTY

### PROCEDURE

### KEYSPLINT SOFT

|                            |                                 |                         |
|----------------------------|---------------------------------|-------------------------|
| Ultimate Flexural Strength | ISO 20795-2                     | 2.6–4.4 MPa             |
| Flexural Modulus           | ASTM D790                       | 1356                    |
| Tensile Strength           | ASTM D638                       | 52                      |
| Young's Modulus Tensile    | ASTM D638                       | 1790                    |
| Water Sorption             | ISO 20795-2                     | < 18 ug/mm <sup>3</sup> |
| Elongation at Break        | ASTM D638                       | 110%                    |
| Biocompatibility           | ISO 10993-1 and<br>USP Class VI | Pass                    |

# 4 kg

LIGHT GREY

(242-1117)

...0.5kg/Bt

(242-

1144) .....1kg/Bt



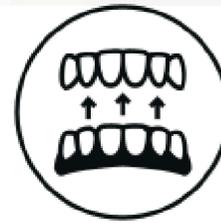
VIEW OUR KEYMODEL  
ULTRA VIDEO!



FLAWLESS  
SURFACE DETAIL



ULTRA-FAST  
TECHNOLOG  
Y



THERMOFORMING  
RELEASE AGENT

28 KEYPRINT

**OralTech**  
DIGITAL

[www.oraltech.mx](http://www.oraltech.mx)

# KeyModel Ultra™™™™

KeyModel Ultra is a material designed for 3D printing of dental and orthodontic models.



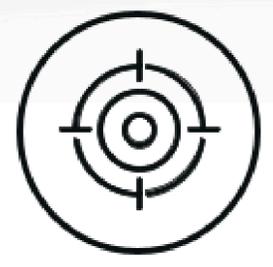
**IDEAL FOR THERMOFORMING ALIGNERS**

## FEATURES

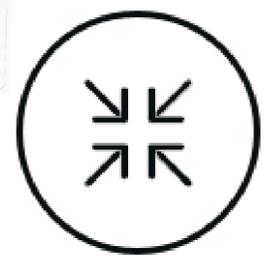
- **HIGH-SPEED PRINT FORMULATION**
- **INTEGRATED RELEASE AGENT FOR EASY THERMOFORM SEPARATION**
- **TWO COLORS OPTIMIZED FOR SHARP DETAIL**
- **SMOOTH SURFACE FINISH**
- **STABILITY IN PRODUCTION WORKFLOW**
- **INTEGRATED WITH A WIDE RANGE OF 3D PRINTERS**

| PROPERTY                       | PROCEDURE  | KEYMODEL ULTRA |
|--------------------------------|------------|----------------|
| Maximum Tensile Strength (MPa) | ASTM D638  | 50             |
| Tensile Modulus (MPa)          | ASTM D638  | 1700           |
| Elongation at Break (%)        | ASTM D638  | 51             |
| Maximum Flexural Strength      | ASTM D790  | 70             |
| Flexural Modulus               | ASTM D790  | 1940           |
| Viscosity @ 25°C (cP)          | ASTM D7867 | 500-600        |

(242-1023) ...0.5kg/Bt



**ACCURATE**



**LOW SHRINKAGE**



**FLEXIBLE**



**SIMULATES  
GUM  
TISSUE**



# KeyMask®

Flexible yet firm gingival mask that simulates the look and feel of gum tissue.

Incorporate KeyMask into your digital restoration planning.



## FLEXIBLE YET FIRM

This gingival mask simulates the look and feel of gum tissue



## EASILY TRIMMED

Creates a proper emergence profile for pontic shape

| PROPERTY                | PROCEDURE | KEYMASK |
|-------------------------|-----------|---------|
| Tensile Strength (MPa)  | ASTM D638 | 2       |
| Young's Modulus (MPa)   | ASTM D638 | 4.6     |
| Elongation at Break (%) | ASTM D638 | 41%     |

# Finishing and Polishing Materials

| ITEM NAME                              | ITEM NUMBER                                  | PHOTO   |
|--|--|---|
| <b>KeyPolish™ Kit</b>                  | 272-0978                                     |    |
| <b>Mini Scotch Brite™</b>              | 242-7272                                     |  |
| <b>400 Grit Blue Disc</b>              | 242-3774                                     |  |
| <b>Course Grit Pumice*</b>             | 242-0748                                     |  |
| <b>Muslin Buffs</b>                    | 242-3737 for 5" X 45<br>242-0194 for 4" X 42 |  |
| <b>Tripoli Polishing Compound</b>      | 242-0917                                     |  |
| <b>Beige Polishing Paste (100g)</b>    | 242-1173                                     |  |
| <b>High-Shine Cotton Buff</b>          | 242-8288<br>or<br>242-0081                   |  |
| <b>High-Shine Polistar Pink (150g)</b> | 242-0870                                     |  |

\* 50  
Id separately from kit



# SAREMCO

## PERMANENT 3D PRINTED CROWNS

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### saremco print CROWNTEC

**THE „GAME CHANGER“**

Teeth and denture base  
customized from the  
3D-printer with  
**CROWNTEC** and  
**DENTURETEC\***

saremco print CROWNTEC has been developed by professionals with over 30 years of experience in light-curing dental materials. The outstanding 3D printing resin is testament to reliable Swiss quality.

- for permanent crowns, inlays, onlays, and veneers
- for strong denture teeth
- for temporary bridges
- excellent physical properties
- biocompatible - no eluates in watery environment
- ready to use - zero pre-mixing
- 4 years of total shelf life
- FDA 510(k) cleared, CE marked, and TGA registered
- validated on numerous devices
- custom staining possible with saremco els paintart\*

\*see separate product information for DENTURETEC and els paintart (CE marked)

More information: [www.saremco.ch](http://www.saremco.ch)



# SAREMCO



## Technical Data

Consistency

Color

Total shelf life

Flexural strength **DIN EN ISO 4049**

E-Modulus **DIN EN ISO 4049**

Barcol hardness

Medical device

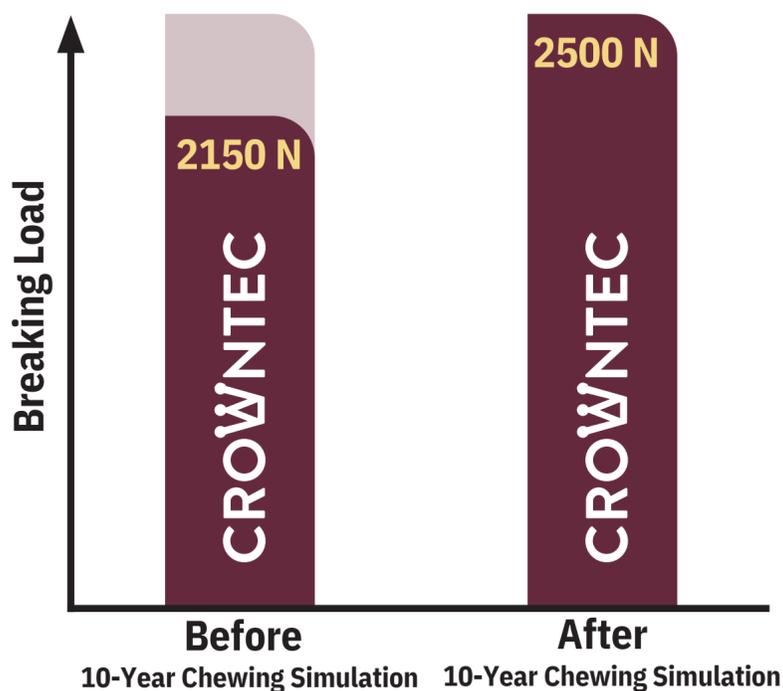
Shades in stock

medium viscosity, homogeneous according to VITA® standard 4 years > 135 MPa (average) > 4000 MPa > 40 Class II (US) / Class IIa (EU, AU) A1, A2, Snow White (bleach)

On request: A3.5, A4, B1, B2, C3, C4, D3

## Breaking Load

A human bite reach up to **700 newtons**. saremco print CROWNTEC can withstand around **three times this load**, even after aging.

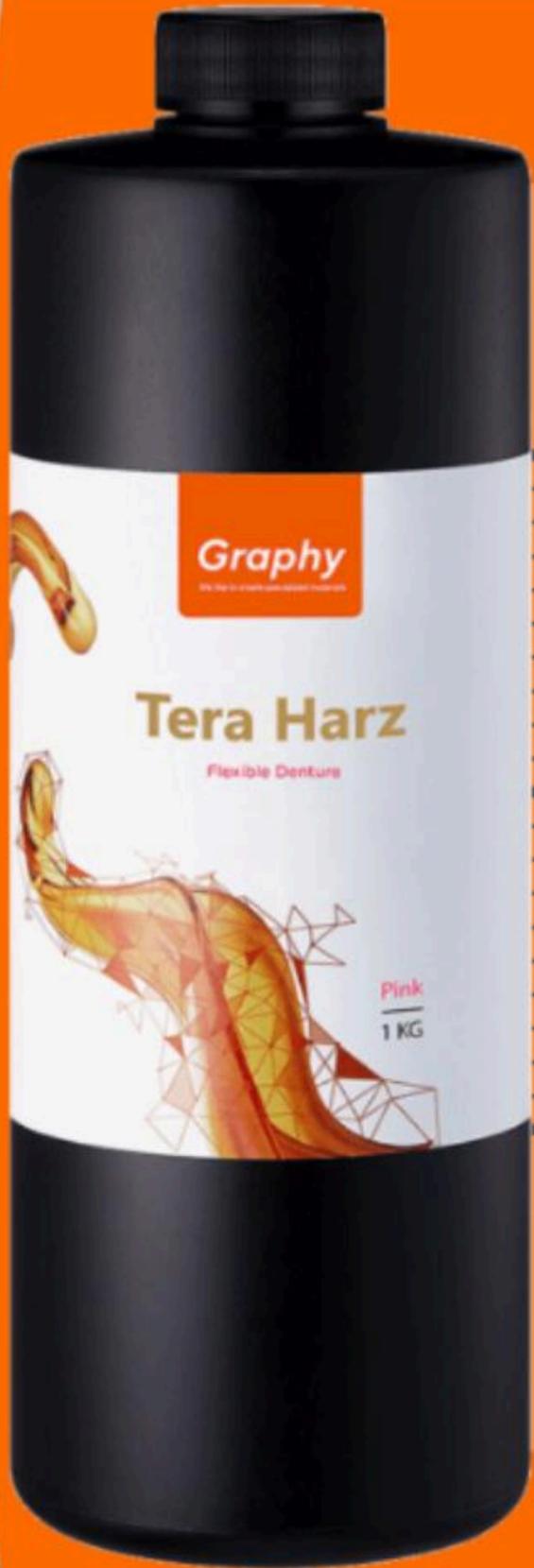


Aging has been simulated by thermomechanical loading and 2.4 Million cycles.

# Graphy

3D Print the World with Graphy's Solutions

## Flexible Denture Base



# Graphy

3D Print the World with Graphy's Solutions

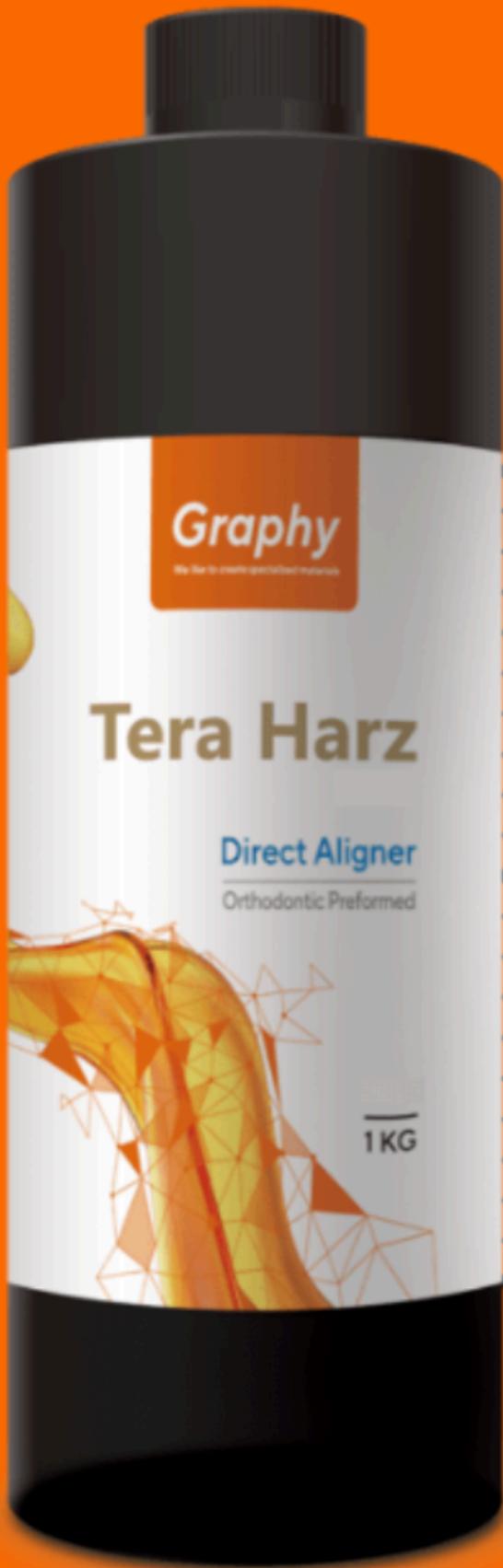
Flexible  
Denture Base

PROPERTIES

| Properties         | Unit                     | TFD          | Remark      |
|--------------------|--------------------------|--------------|-------------|
| Color              | -                        | Magenta      |             |
| Density            | g/cm <sup>3</sup> @ 25°C | 0.998 ± 0.02 |             |
| Viscosity          | cps @ 25°C               | 200 ± 50     | BookField   |
| Solid content      | % @ 80°C x 1h            | ≥ 98         |             |
| Shore Hardness (D) | -                        | ≥ 80         |             |
| Flexural Strength  | Mpa                      | ≥ 110        | ISO 20795-1 |
| Flexural Modulus   | Mpa                      | ≥ 2800       | ISO 20795-1 |

# Graphy

## Direct Aligner



# Graphy

3D Print the World with Graphy's Solutions

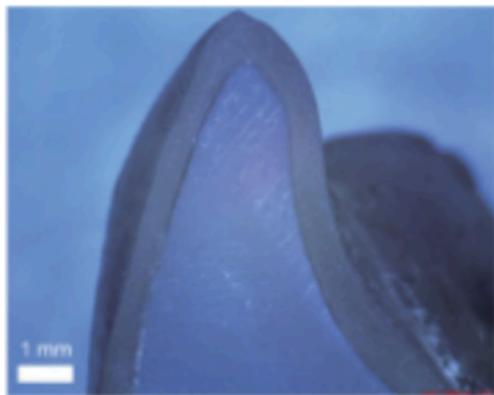
## Clear Aligner MEMORY SHAPE

Clinical Efficacy Verified from Thesis

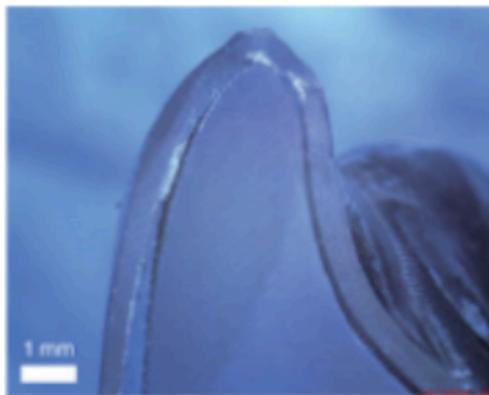
Even after wearing 1 week, No mechanical property changed from 3D Printed Direct Aligner by TC-85DAC.

(Citation: European Journal of Orthodontics, 2021,1-5 / doi:10.1093/ejo/cjab022 / University of Zurich/Dr.Nearchos Panayi)

### Incomparable Difference



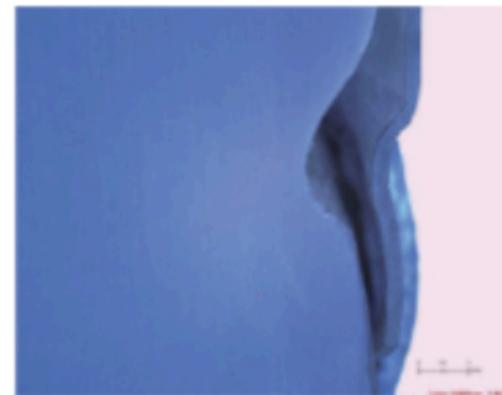
TC-85DAC



Existing Material



TC-85DAC



Existing Material

TC-85DAC

Uniformed thickness as designed as 0.5mm. It can always achieve the full connection where the under cut part of cervical by Shape Memory Function.

Existing Material

Ununiformed and stretched aligner since the thermal forming method. Gap where the under cut part due to block out.

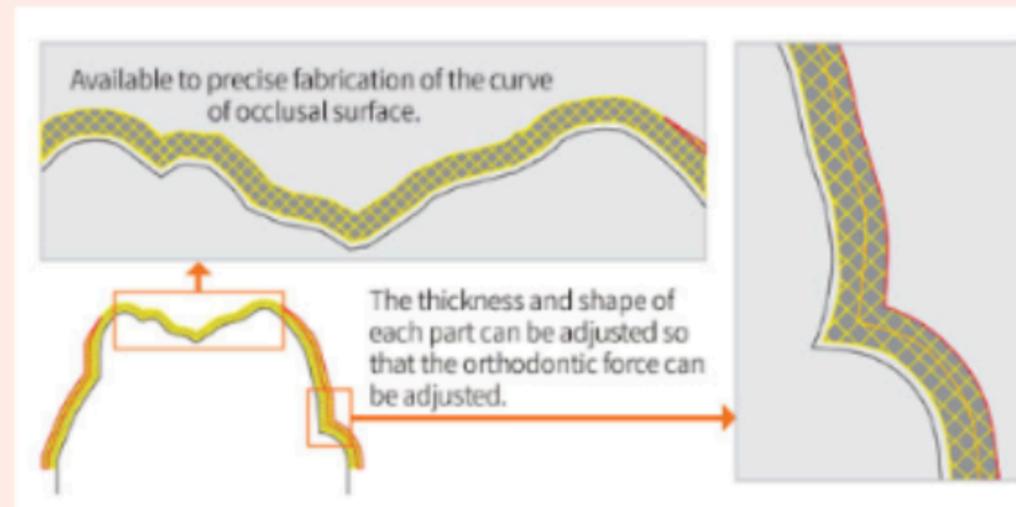
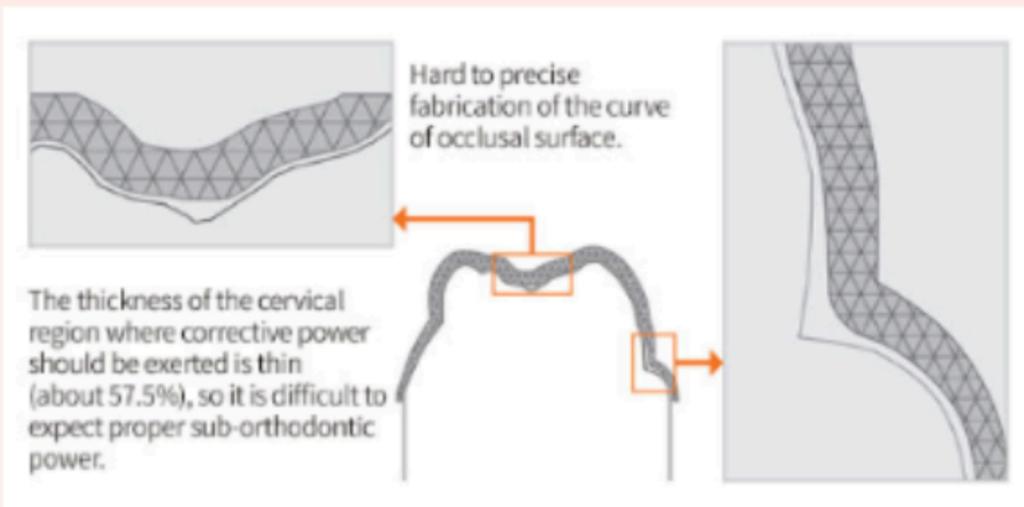
# Graphy

3D Print the World with Graphy's Solutions

## Clear Aligner

# FORCE TECHNOLOGY

## Orthodontic Force Adjustable





[www.oraltech.mx](http://www.oraltech.mx)

332.561.11.07

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**Distribuidor Autorizado:**



**SHINING3D**



**Graphy**  
3D Print the World with Graphy's Solutions

**RODIN**  
3D Resin

keyprint<sup>®</sup>