

RAYSHAPE

US Subsidiary
RAYSHAPE LLC
6605 Longshore Street, Suite 240, Dublin OH 43017, USA

EU Subsidiary
RAYSHAPE B.V.
William Boothlaan 258, 1185 NZ Amstelveen, The Netherlands

Headquarters
Suzhou Laisai Intelligence Technology Co., Ltd.
101, Building 6, Binjiang Science and Technology Innovation Center,
No. 59, Jiangnan Avenue, Changshu Economic and Technological Development Zone,
Jiangsu Province, China 215500



sales Inquiry
sales.os@rayshape3d.com

Technical Support
support.os@rayshape3d.com

Visit our website
www.rayshape3d.com

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RAYSHAPE

ShapeMaterials Dental Resins

Contents

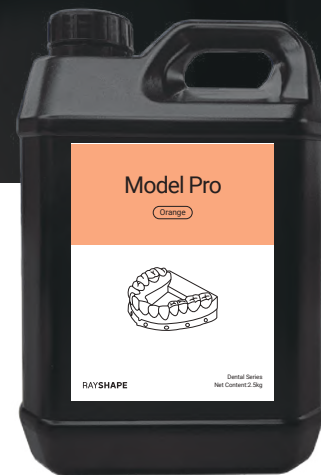
Introduction	2
Model Pro Orange Resin	4
DT Pink Resin	5
Record Model Resin	6
TT C&B Resin	7
Soft Pink Resin	8
Ortho Model Resin	9
Cast Resin	10
SG V2 Resin	11
Tray Purple Resin	12
Try-in A2 Resin	13
Splint Resin	14
Model WW Resin	15
Open Certified Materials Library	16

ShapeMaterials Dental Resins

- ✓ Developed primarily for dental applications and approved by dental specialists.
- ✓ Our selection of dental resins is designed to make full use of RAYSHAPE 3D printers.
- ✓ The resins are built to achieve equivalent or superior results while providing better value for money.
- ✓ The materials are compatible with both our LCD and DLP printers.

✓ Tested and approved by dental specialists





● Orange Net Weight: 2.5 kg

High Speed

Model Pro Orange Resin

Model Pro Orange enables fast, seamless 3D printing, guaranteeing the production of high-quality, long-lasting dental models with exceptional wear resistance

Benefits

- ✓ Efficient production
- ✓ Long-lasting durability
- ✓ Guaranteed accuracy
- ✓ Consistent quality maintenance over time

Applications

- ☞ Implant model
- ☞ Orthodontic model
- ☞ Model with dies
- ☞ Restoration model

ROI

Amount: 21.6 g/set
95 printed model with a bottle of 1KG



Viscosity

Lower viscosity values indicate that the resin is easier to mix.

265 mPa·s (25°C)

Flexural Strength

Higher flexural strength ensures that the model doesn't break during regular use.

74 MPa

Flexural Modulus

Higher flexural modulus prevents the model from distorting, which can impact accuracy.

2091 MPa



● Pink Net Weight: 1 kg

Natural

DT Pink Resin

RAYSHAPE DT resin material with an excellent mechanical property suitable for printing removable denture base.

Benefits

- ✓ Low Shrinkage
- ✓ Fine Detail Reproduction
- ✓ Accurate
- ✓ Long-term stability

Applications

- ☞ Removable denture base

ROI

Amount: 15.9 g/set
50 printed model with a bottle of 1KG



Viscosity

Lower viscosity values indicate that the resin is easier to mix.

1200-1500 mPa·s (25°C)

Flexural Strength

Higher flexural strength ensures that the model doesn't break during regular use.

90-95 MPa

Flexural Modulus

Higher flexural modulus prevents the model from distorting, which can impact accuracy.

2400-2600 MPa



No Deformation

Record Model Resin

With an excellent surface strength, Record Model resin designed to print 3D models with a texture and color similar to the traditional plaster model.



○ White Net Weight: 1 kg

Benefits

- ✔ Precise
- ✔ Accurate
- ✔ Affordable

Viscosity

Lower viscosity values indicate that the resin is easier to mix.

350 mPa·s (25°C)

Applications

- 🦷 Record

ROI

Amount: 80.3 g/set
10 printed model with a bottle of 1KG



Flexural Strength

Higher flexural strength ensures that the model doesn't break during regular use.

50.4 MPa

Flexural Modulus

Higher flexural modulus prevents the model from distorting, which can impact accuracy.

1700 MPa



Multi Tooth Colors

TT C&B Resin

TT Resin by RAYSHAPE is a material for 3D printing crowns, bridges, inlays, onlay, denture teeth and veneers. This material is easy to finish and polish using traditional methods for temporary restorations. Available in A1, A2, A3



● Ivory A1 ● Ivory A2 ● Ivory A3 Net Weight: 1 kg

Benefits

- ✔ Precise
- ✔ Accurate
- ✔ Easy to Polish
- ✔ Long-term Dimensional Stability

Viscosity

Lower viscosity values indicate that the resin is easier to mix.

1200-1500 mPa·s (25°C)

Applications

- 🦷 Crowns and Bridges
- 🦷 Denture Teeth

ROI

2.5 g/set Restorations.
292 printed model with a bottle of 1KG



10.2 g/set Restorations.
75 printed model with a bottle of 1KG



Flexural Strength

Higher flexural strength ensures that the model doesn't break during regular use.

93-98 MPa

Flexural Modulus

Higher flexural modulus prevents the model from distorting, which can impact accuracy.

2400-2600 MPa



Stimulated Gum Tissue

Soft Pink Resin

Perfect for gingival masks, convenient, removable, and functional. Looks natural, like human gum.



● Pink Net Weight: 1 kg

Benefits

- ✔ Low Shrinkage
- ✔ Flexible
- ✔ Accurate

Viscosity

Lower viscosity values indicate that the resin is easier to mix.



Applications

- ☺ Gingiva

ROI

Amount: 0.7 g/set
1000 printed model with a bottle of 1KG



Elongation



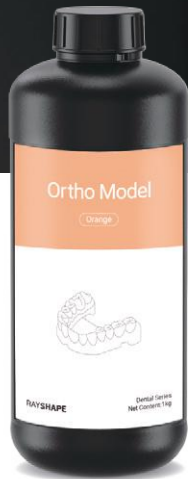
Ultimate Tensile Strength



High Speed

Ortho Model Resin

RAYSHAPE Ortho Model combines accuracy and precision to set brackets with flexibility accurately. It is ideal for orthodontic models. Using Ortho Model dental resin will save you time and labor for a more efficient workflow.



● Orange Net Weight: 1 kg

Benefits

- ✔ Precise
- ✔ Flexible
- ✔ Accurate
- ✔ Low Shrinkage

Viscosity

Lower viscosity values indicate that the resin is easier to mix.



Applications

- ☺ Splints
- ☺ Orthodontic model
- ☺ Aligners

ROI

Amount: 8.9 g/set
93 printed models with a bottle of 1KG



Flexural Strength

Higher flexural strength ensures that the model doesn't break during regular use.



Flexural Modulus

Higher flexural modulus prevents the model from distorting, which can impact accuracy.



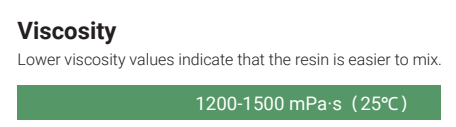


● Green Net Weight: 1 kg

Precise Cast Resin

Cast resin offers accurate molding with rapid burnout, visible printing details, and sealed margin to ensure a reliable casting afterward. Cast Resin is used with (chrome, cobalt)

- Benefits**
- ✓ Fast
 - ✓ Low Shrinkage
 - ✓ Accurate



- Applications**
- 🦷 Casting

ROI

Amount: 2.7 g/set
276 printed model with a bottle of 1KG

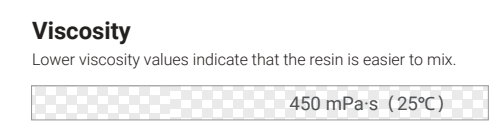


● Translucent Net Weight: 1 kg

Precise SG V2 Resin

SG resin from RAYSHAPE for precise and accurate surgical guides. Transparent surgical guides allow dental practices to place implants at the correct angle with precision and accuracy.

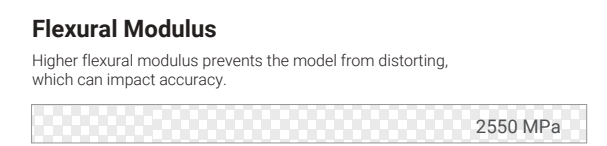
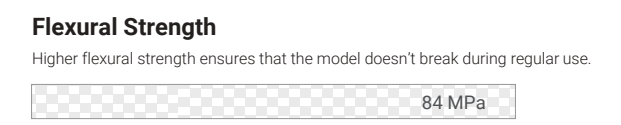
- Benefits**
- ✓ Precise
 - ✓ Easy to Polish
 - ✓ Transparent
 - ✓ Affordable



- Applications**
- 🦷 Surgical guide

ROI

Amount: 18.9 g/set
42 printed model with a bottle of 1KG





● Purple Net Weight: 1 kg

Bio-compatible

Tray Purple Resin

Tray Purple resin is a strong and durable material designed for capturing patient impressions and facilitating easy removal from the oral cavity. It offers high surface precision without the need for post-polishing and is compatible with all impression materials.

Benefits

- ✓ No pre-casting required
- ✓ Reliable and consistent results
- ✓ Efficient Production
- ✓ Better precision of impression

Applications

🦷 Custom trays

ROI

Amount: 22 g/set
Approx. 45 printed models with a bottle of 1kg



Viscosity

Lower viscosity values indicate that the resin is easier to mix.

690 mPa·s (25°C)

Flexural Strength

Higher flexural strength ensures that the model doesn't break during regular use.

78 MPa

Flexural Modulus

Higher flexural modulus prevents the model from distorting, which can impact accuracy.

2190 MPa



● A2 Net Weight: 1 kg

Precise

Try-in A2 Resin

Try-in resin is a low-wear, corrosion-resistant, and easy-to-clean material, designed for precise evaluations of fit, occlusion, aesthetics, and phonetics during try-in appointments, facilitating quick and effortless denture try-ins.

Benefits

- ✓ Quick production
- ✓ Assured fit and performance
- ✓ Reduced adjustments
- ✓ Combined function and comfort

Applications

🦷 Dentures try-ins

ROI

Amount: 37 g/set
37 printed models with a bottle of 1kg



Viscosity

Lower viscosity values indicate that the resin is easier to mix.

960 mPa·s (25°C)

Flexural Strength

Higher flexural strength ensures that the model doesn't break during regular use.

89.8 MPa

Flexural Modulus

Higher flexural modulus prevents the model from distorting, which can impact accuracy.

2654 MPa



Clear

Splint Resin

Splint resin is a transparent, biocompatible, non-toxic, polishable, and stain-resistant material. It offers an ideal balance of strength and flexibility for protection against dental disorders such as bruxism while ensuring patient comfort.



● Clear Net Weight: 1 kg

Benefits

- ✓ Ease of polishing
- ✓ Ease of cleaning
- ✓ Exceptional precision
- ✓ Reliable and durable results

Applications

- ☺ Splints
- ☺ Retainers
- ☺ Night guards

ROI

Amount: 10 g/set
100 printed models with a bottle of 1kg



Viscosity

Lower viscosity values indicate that the resin is easier to mix.



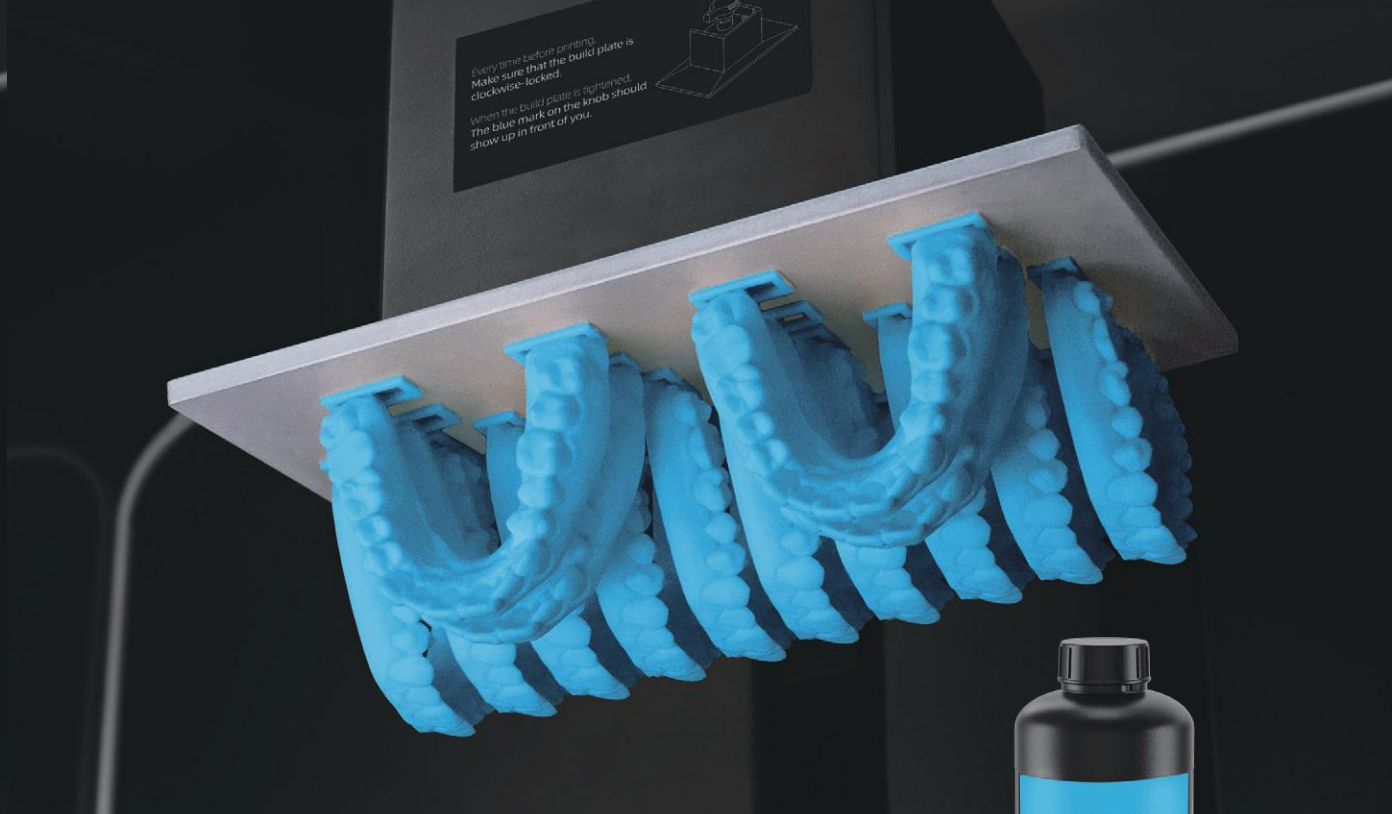
Flexural Strength

Higher flexural strength ensures that the model doesn't break during regular use.



Flexural Modulus

Higher flexural modulus prevents the model from distorting, which can impact accuracy.



Water-Washable

Model WW Resin

Model WW Resin ensures high post-curing accuracy with minimal shrinkage. Its water-washable feature simplifies cleaning, eliminating the need for traditional ethanol methods. Ideal for chairside dental applications, it offers comfort for both patients and practitioners.



● Blue Net Weight: 1 kg

Benefits

- ✓ Odor-free printing
- ✓ Time-saving post-processing
- ✓ Consistent long-term print accuracy

Applications

- ☺ Orthodontic model
- ☺ Restoration model
- ☺ Implant model
- ☺ Interactive models for pediatric dental treatment

ROI

Amount: 8.9 g/set
93 printed models with a bottle of 1kg



Viscosity

Lower viscosity values indicate that the resin is easier to mix.



Flexural Strength

Higher flexural strength ensures that the model doesn't break during regular use.



Flexural Modulus

Higher flexural modulus prevents the model from distorting, which can impact accuracy.



Open Certified Materials Library

RAYSHAPE Open Platform unlocks best-in-class third-party resins from across the industry and enables users to fine-tune print settings for tailored print performance. This ensures maximum clinical flexibility, leading to improved outcomes and greater patient satisfaction.



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