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RAYSHAPE



ShapeMaterials
Dental Resins

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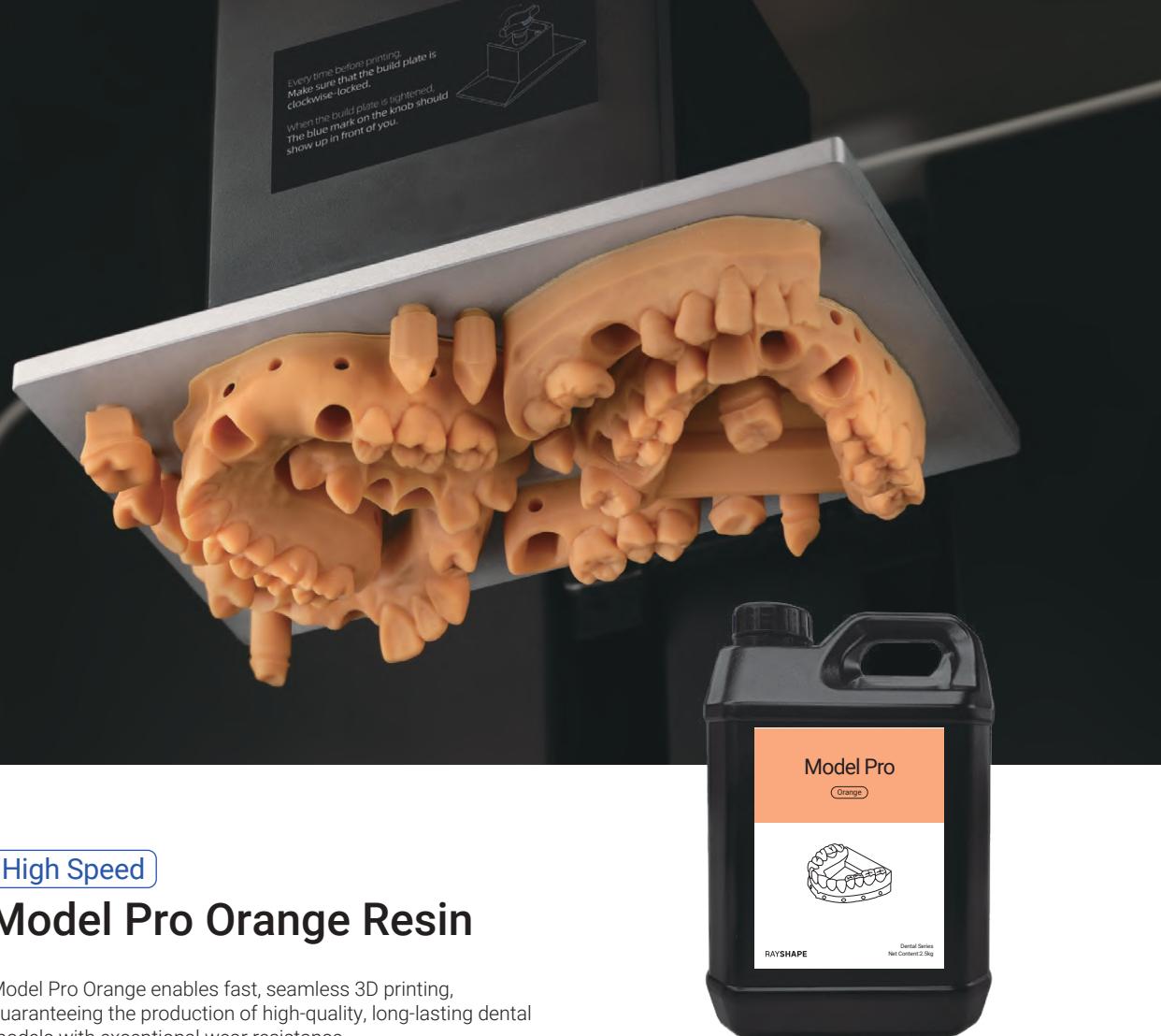
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ShapeMaterials Dental Resins

- ✓ 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**





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



● Orange Net Weight: 2.5 kg

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



Natural

DT Pink Resin

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



● Pink Net Weight: 1 kg

Benefits

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

Applications

- ⌚ Removable denture base

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



ROI

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



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



Flexural Strength

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

93-98 MPa

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 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.

500 mPa·s (25°C)

Applications

⌚ Gingiva

Elongation

362 %

ROI

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



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

Viscosity

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

387 mPa·s (25°C)

Flexural Strength

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

89 MPa

Benefits

- ✓ Precise
- ✓ Flexible
- ✓ Accurate
- ✓ Low Shrinkage

Applications

⌚ Splints ⌚ Orthodontic model ⌚ Aligners



ROI

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

3050 MPa



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)



● Green Net Weight: 1 kg

Benefits

- Fast
- Low Shrinkage
- Accurate

Viscosity

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

1200-1500 mPa·s (25°C)

Applications

Casting



ROI

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

Elongation

10%

Ultimate Tensile Strength

15.7 MPa

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.



● Translucent Net Weight: 1 kg

Benefits

- Precise
- Transparent
- Easy to Polish
- Affordable

Viscosity

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

450 mPa·s (25°C)

Applications

Surgical guide



ROI

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

Flexural Strength

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

84 MPa

Flexural Modulus

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

2550 MPa



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.



● Purple Net Weight: 1 kg

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



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.



● A2 Net Weight: 1 kg

Benefits

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

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



ROI

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

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.

Benefits

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

Applications

- ⌚ Splints
- ⌚ Night guards
- ⌚ Retainers

ROI

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



● Clear Net Weight: 1 kg

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

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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