

HUGE

3D DENTAL RESINS CATALOG



Your Comprehensive Digital Dentistry Partner

3D Dental Resins Catalog



Dental Model
-M3.0

Dental Model
-M3.0 Pro

Surgical Guide
-SG 2.0

Try-in

Denture Base
-DB

Appearance



Application

Restorative and implant models; A replacement for traditional dental model materials.

High-precision restorative and implant models; reinforced strength helps reduce breakage during trimming, fitting, and repeated handling.

Digital implantology surgical guides with seamless fit and shatter-resistant performance during high-speed drilling procedures.

Full and partial removable denture try-ins; verification of fit, occlusion, esthetics, and phonetics before final denture fabrication.

High-quality denture bases with mechanical strength, fracture resistance, precision fit, and long-term reliability.

Color

Almond

Grey

Clear

A2

Pink 1 2 3 4 5



✓

✓

✓

✓

✓



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Dental Model -M3.0

Light-curing resin for restorative and implant dental models.

Colors	Wavelength	Net Weight	Viscosity
Almond	385 nm / 405 nm	500 g / 1000 g	200-400mPa·s at 25 °C

Parameters	Standard	Value
Liquid density	ASTM D792	1.1-1.2 g/mL
Solid density	ASTM D792	1.2-1.3 g/cm ³
Tensile strength	ASTM D638	≥ 60 MPa
Elastic modulus	ASTM D638	1800-2000 MPa
Elongation at break	ASTM D638	5-10%
Flexural strength	ASTM D790	≥ 110 MPa
Flexural modulus	ASTM D790	2700-2800 MPa
Shore hardness	ASTM D2240	≥ 80 HD
Notched impact strength	ASTM D256	20-30 J/m

Validation note: Test specimens were produced on a Rayshape E2 printer. Post-curing was performed using a PioNext curing chamber at 365 nm, 385 nm, and 405 nm wavelengths, with 100% power for 15 minutes.

HUGE
Dental Model

M3.0

Almond

3D Printing Resin
Net Weight: 1 Kg

Dental Model -M3.0 Pro

Light-curing resin for high-precision restorative and implant models.

Colors	Wavelength	Net Weight	Viscosity
Grey	385 nm / 405 nm	500 g / 1000 g	1050-1250 mPa·s at 25 °C

Parameters	Standard	Value
Liquid density	ASTM D792	1.12-1.14 g/mL
Solid density	ASTM D792	1.23-1.25 g/cm ³
Tensile strength	ASTM D638	≥ 50 MPa
Elastic modulus	ASTM D638	1400-1600 MPa
Elongation at break	ASTM D638	8-9%
Flexural strength	ASTM D790	≥ 85 MPa
Flexural modulus	ASTM D790	2000-2200 MPa
Shore hardness	ASTM D2240	≥ 75 HD
Notched impact strength	ASTM D256	≥ 45 J/m

Validation note: Test specimens were produced on a Rayshape E2 printer. Post-curing was performed using a PioNext curing chamber at 365 nm, 385 nm, and 405 nm wavelengths, with 100% power for 15 minutes.



Surgical Guide -SG 2.0

Light-curing resin for digital implantology surgical guides.

Colors	Wavelength	Net Weight	Viscosity
Clear	385 nm / 405 nm	500 g / 1000 g	1000-1200 mPa·s at 25 °C

Parameters	Standard	Value
Liquid density	ASTM D792	1.12-1.14 g/mL
Solid density	ASTM D792	1.23-1.25 g/cm ³
Tensile strength	ASTM D638	55-60 MPa
Elastic modulus	ASTM D638	2500-2700 MPa
Elongation at break	ASTM D638	6-8%
Flexural strength	ASTM D790	90-95 MPa
Flexural modulus	ASTM D790	2200-2400 MPa
Shore hardness	ASTM D2240	85-88 HD
Notched impact strength	ASTM D256	25-30 J/m

Validation note: Test specimens were produced on a Rayshape E2 printer. Post-curing was performed using a PioNext curing chamber at 365 nm, 385 nm, and 405 nm wavelengths, with 100% power for 10 minutes.



Try-In

Light-curing resin for full and partial removable denture try-ins.

Colors	Wavelength	Net Weight	Viscosity
A2	385 nm / 405 nm	500 g / 1000 g	1050-1250 mPa·s at 25 °C

Parameters	Standard	Value
Liquid density	ASTM D792	1.12-1.14 g/mL
Solid density	ASTM D792	1.23-1.25 g/cm ³
Tensile strength	ASTM D638	≥ 50 MPa
Elastic modulus	ASTM D638	1400-1600 MPa
Elongation at break	ASTM D638	8-9%
Flexural strength	ASTM D790	≥ 80 MPa
Flexural modulus	ASTM D790	2000-2200 MPa
Shore hardness	ASTM D2240	≥ 75 HD
Notched impact strength	ASTM D256	≥ 50 J/m

Validation note: Test specimens were produced on a Rayshape E2 printer. Post-curing was performed using a PioNext curing chamber at 365 nm, 385 nm, and 405 nm wavelengths, with 100% power for 15 minutes.





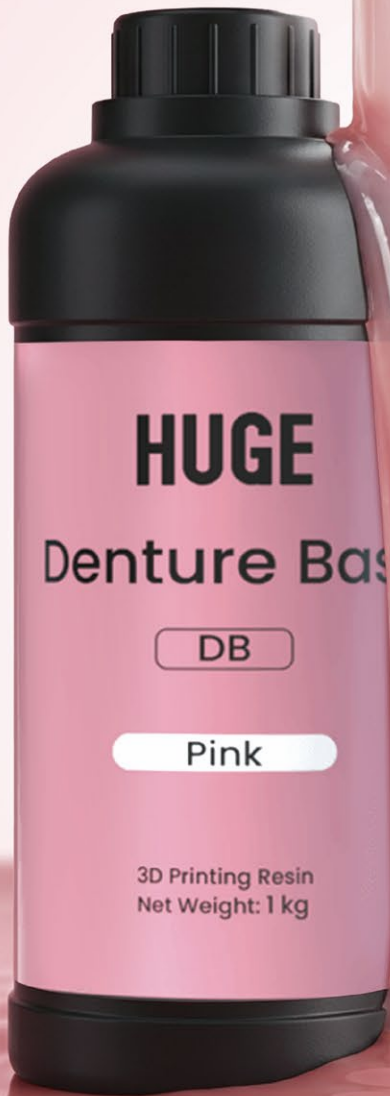
Denture Base -DB

Light-curing resin for high-quality denture base printing.

Colors	Wavelength	Net Weight	Viscosity
Pink 1 2 3 4 5	385 nm / 405 nm	500 g / 1000 g	1000-3000 mPa·s at 25 °C

Parameters	Standard	Value
Liquid density	ASTM D792	1.14-1.16 g/mL
Solid density	ASTM D792	1.23-1.25 g/cm ³
Flexural strength	ISO 20795-1: 2008	81 MPa
Flexural modulus	ISO 20795-1: 2008	2347 MPa
Kmax	ISO 20795-1: 2008	3.48 ± 0.46 MPa·m ^{1/2}
Shore hardness	ISO 20795-1: 2008	91 HD
Work of fracture	ISO 20795-1: 2008	1275.99 ± 176.16 J/m ²
Notched impact strength	ISO 20795-1: 2008	28.40 ± 1.29 J/m

Validation note: Test specimens were produced on a Rayshape E2 printer. Post-curing was performed using a PioNext curing chamber at 365 nm, 385 nm, and 405 nm wavelengths, with 75-80% power for 45 minutes.





Dental Model
-M3.0



Dental Model
-M3.0 Pro



Surgical
Guide-SG 2.0



Try-In



Denture
Base-DB

Printer

Asiga Max 2	✓	✓		✓	✓
Rayshape Edge Mini	✓	✓		✓	✓
Rayshape Edge E2	✓	✓	✓	✓	✓

Curing Machine

Crealiti UV ± 02	✓	✓	✓	✓	✓
Rayshape ShapeCure D					✓

Note: All data sourced from HUGE laboratory test reports.





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