Dentistry Made Easier[™]

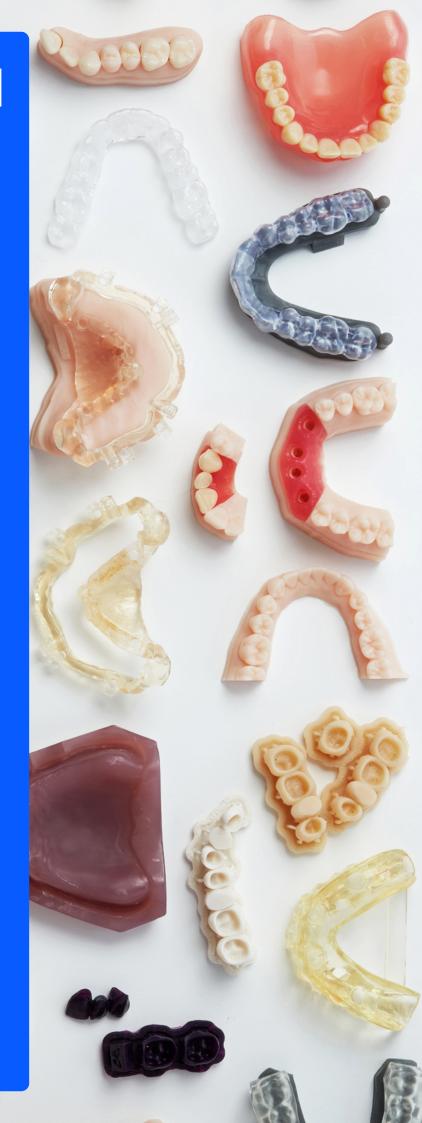


Materials and Applications

Unlock Every Dental
Application With the
Widest Range of Materials
in the Industry

Formlabs offers the widest range of resins tailored to meet the unique needs of dental users, so you can produce safe and effective end-use appliances and restorations that can be patient-matched and produced at scale.

All Formlabs Dental resins are formulated and manufactured at our state-of-the-art facilities within a robust Quality Management System that is ISO 13485 Certified, FDA-regulated, and EU MDR Compliant. Furthermore, our biocompatible resins are manufactured to the highest global standards in our ISO Class 8 Clean Room.



Orthodontic Applications

 Models for Diagnostics and Thermoforming Appliances



Models in Record Time for Diagnosis or Aligner Production

⁷ Indirect Bonding Trays

Accurate Bonding That's Easier to Plan and Use



Occlusal Splints and Guards

For Long-Lasting Rigid and Flexible Appliances



Formlabs Open Platform Solutions

Maximize the potential of your Formlabs 3D printer. Open Platform unlocks best-in-class third-party resins, custom print settings for tailored print performance, or the ability to experiment with any 405 nm photopolymer resin.

Restorative Applications

¹⁰ Wax-Up Models

Your Digital Design With a Smoother Surface Finish



11 Restorative Models

Soft and Rigid Components for Better Prosthetic Planning



¹² Temporary and Permanent Restorations

State-of-the-Art Ceramic-Filled Restorations



¹³ Direct Composite Restoration Guides

Perfectly Replicated Digital Designs With Faster Workflows



¹⁴ Custom Impression Trays

Directly Printed for a Quicker Turnaround



¹⁵ Surgical Guides

For Highly Accurate and Predictable Implant Placement



¹⁶ Temporary All-on-X Appliances

For Reliable and Accurate Temporary Full-Arch Implant-Supported Restorations



¹⁷ Digital Dentures

Expanding Access to High-Quality Dentures in Custom Shades



Patterns for Casting and Pressing

Optimize Your Analog Workflow With Digital Accuracy



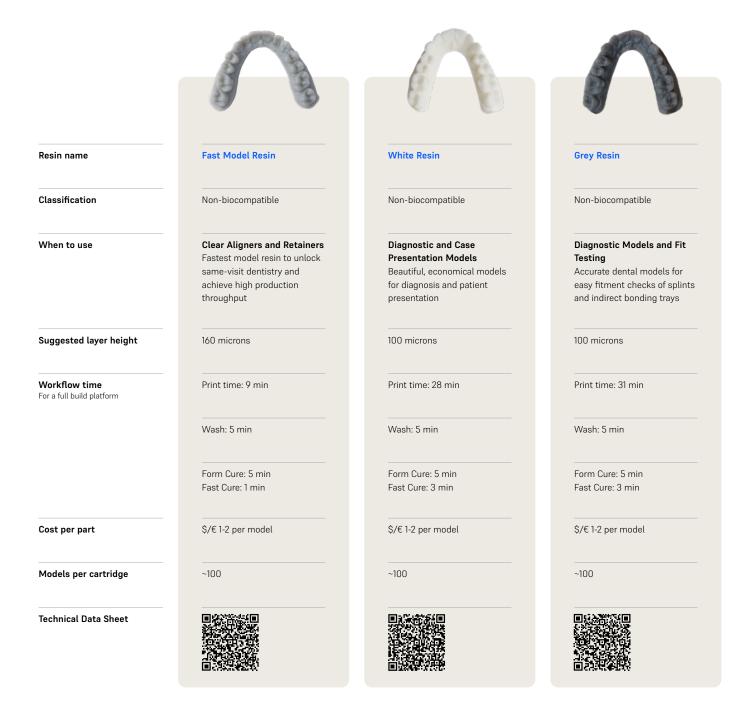




Models for Diagnostics and Thermoforming Appliances

FAST AND HIGHLY PRECISE MODELS IN RECORD TIME

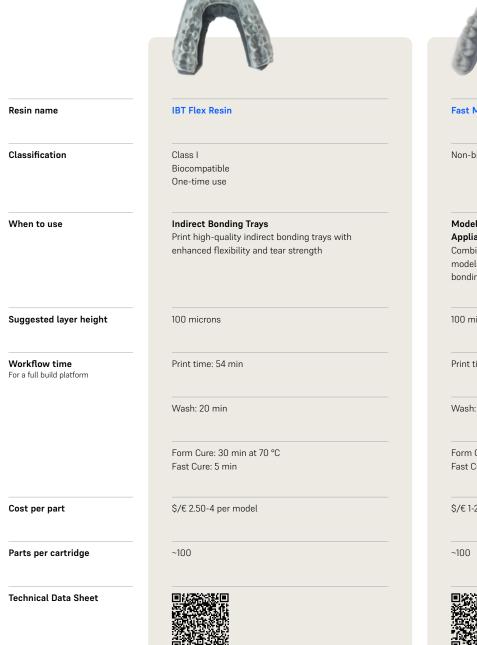
Print 11 dental models in nine minutes, producing models for thermoforming clear aligners and retainers faster than ever. 3D print high-quality models in record time for case presentation and diagnosis. Streamline your workflow with PreForm Dental's Scan to Model feature for printable models in seconds.

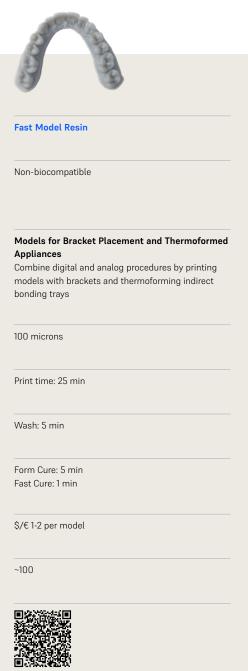


Indirect Bonding Trays

ACCURATE BONDING: EFFORTLESSLY PLAN AND PRINT

Reduce chairtime and optimize bracket positioning by fabricating indirect bonding trays. IBT Flex Resin offers enhanced tear strength, translucency, and flexibility so you can give your patients a vastly improved experience.

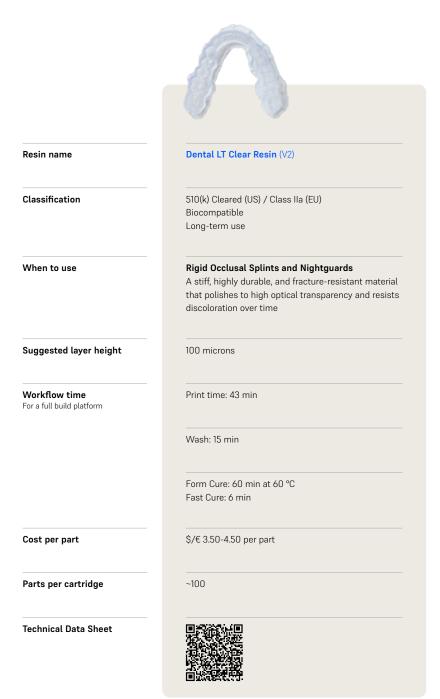




Occlusal Splints and Guards

FOR LONG-LASTING RIGID OR FLEXIBLE APPLIANCES

Directly print rigid or flexible occlusal splints and guards with high accuracy, durability, optical transparency, discoloration resistance, and comfort for improved patient adoption and long-term outcomes.





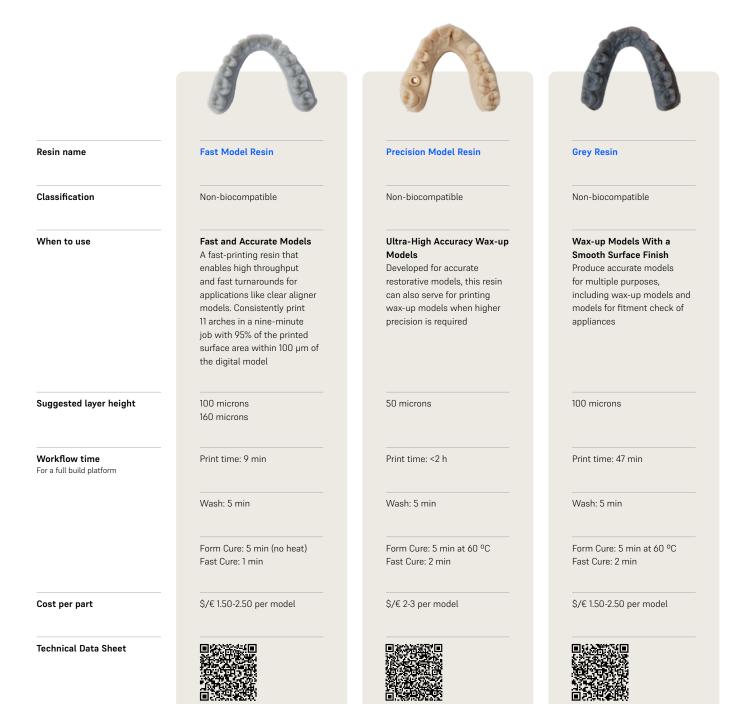
Restorative Applications



Wax-Up Models

YOUR DIGITAL DESIGN WITH A SMOOTHER SURFACE FINISH

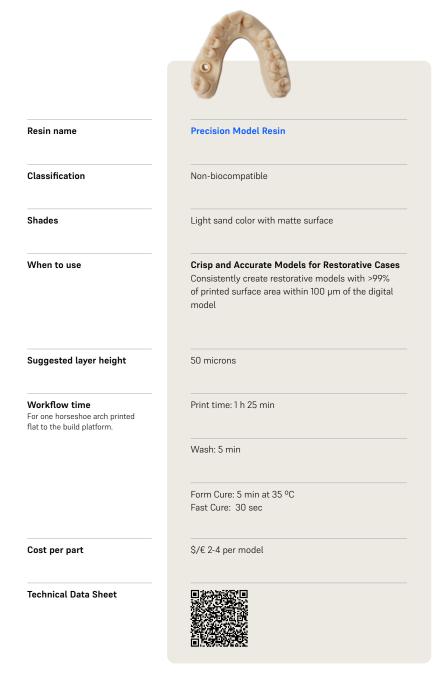
From motivational mock-ups to testing aesthetics and function, users can accurately transfer digital smile designs with silicone indexes produced upon models 3D printed with Fast Model Resin, Precision Model Resin, or Grey Resin.

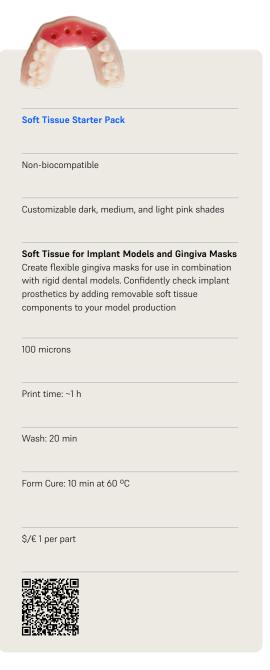


Restorative Models

SOFT AND RIGID COMPONENTS FOR BETTER PROSTHETIC PLANNING

Create high-accuracy models with flexible gingiva masks in combination with rigid dental models for more accurate planning of implant prosthetics. Customize your models with soft tissue printed in different shades.

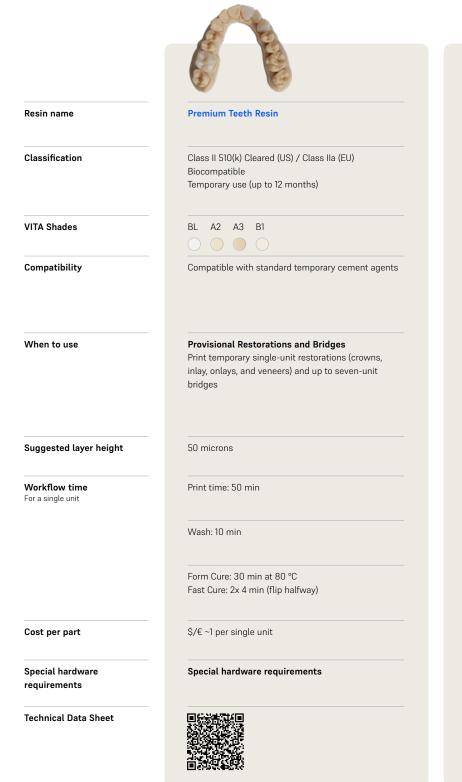




Temporary and **Permanent Restorations**

STATE-OF-THE-ART CERAMIC-FILLED RESTORATIONS

Directly 3D print single-unit restorations and bridges with excellent marginal adaptation, strength, and aesthetics.





510(k) Cleared (US) / Class IIa (EU) Biocompatible Permanent and Temporary use

A2 A3 B1

Compatible with self-adhesive cements (e.g., Relex Unicem and 3M Espe) or composite cement with primer (e.g., Variolink Esthetic DC and Monobond Plus, Ivoclar Vivadent)

Permanent Bridges and Crowns With High **Dimensional Stability and Strength**

Print temporary and permanent single units (crowns, inlays, onlays, and veneers) and up to three-unit bridges. BEGO™ VarseoSmile® TriniQ® Resin is the first 3D printed resin indicated for permanent bridges

50 microns

Print time: 1 h 28 min

Wash: 3 min

Form Cure: 2x 20 min at 60 °C (flip halfway) Fast Cure: 2x 2 min (flip halfway)

\$/€ ~2 per single unit

Compatible only with Formlabs' Build Platform Flex



Direct Composite Restoration Guides

PERFECTLY REPLICATED DIGITAL DESIGNS WITH FASTER WORKFLOWS

Equipped with high flexibility, tear resistance, and translucency for exceptional printing accuracy from a single restoration to a full smile. Save valuable technician time while delivering consistent, predictable outcomes.

IBT Flex Resin
Class I (US) / Class I (EU) Biocompatible Short-term use
Direct Composite Restoration Guides With Enhanced Accuracy and Translucency From single units to full digital smile designs, 3D print flexible and tear-resistant translucent trays and guides that save you time and deliver consistent, predictable outcomes for both injectable and pressed composite techniques
50 microns
Print time: ~2 h
Wash: 20 min + 10 min soak or spray
Form Cure: 30 min at 70 °C Fast Cure: 5 min
\$/€ 3-5 per guide

Custom Impression Trays

DIRECTLY PRINTED FOR A QUICKER TURNAROUND

Directly print full impression trays for implants, dentures, crowns, bridges, and other comprehensive cases for reduced labor time, higher throughput, and consistent, accurate impressions with high-quality results.

Resin name	Custom Tray Resin
Classification	Class I (US) / Class I (EU) Biocompatible Short-term use
When to use	On-Demand Custom Trays For cases where you opt to use traditional PVS impressions, such as implant or fully edentulous cases, you can fabricate custom impression trays to assist in definitive impression taking
Suggested layer height	100 microns
Workflow time For a single unit	Print time: 39 min
	Wash: 10 min
	Form Cure: 30 min 60 °C Fast Cure: 5 min
Cost per part	\$/€ ~6 per tray
Technical Data Sheet	

Surgical Guides

FOR HIGHLY ACCURATE AND PREDICTABLE IMPLANT PLACEMENT

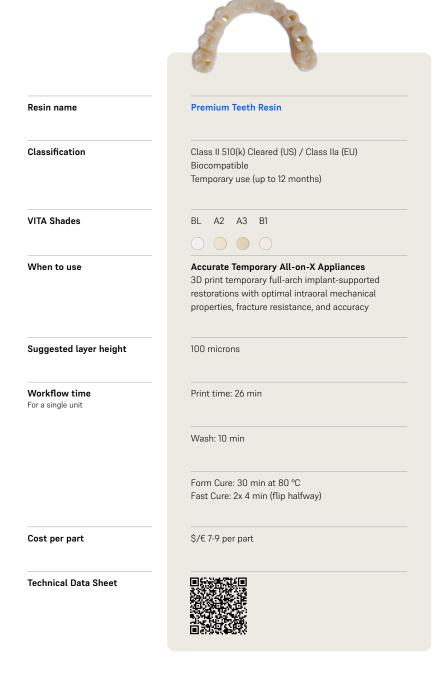
Developed specifically for Formlabs printers and rigorously tested by dental specialists, our Surgical Guide Resin was designed to exceed demands in part quality, accuracy, and performance for better surgical outcomes.

sin name	Surgical Guide Resin		
assification	Class I (US) / Class I (EU) Biocompatible Short-term use		
nen to use	Accurate and Autoclavable Surgical Guides You can fabricate precise and autoclavable surgical guides to aid in implant placement procedures of single or multi-unit implants		
ggested layer height	50 microns		
Vorkflow Time or a single unit	Print time: 1 h 11 min		
	Wash: 20 min		
	Form Cure: 30 min 70 °C Fast Cure: 5 min		
ost per part	- \$/€ 3-5 per guide		
chnical Data Sheet			

Temporary All-on-X Appliances

TEMPORARY FULL-ARCH IMPLANT-SUPPORTED RESTORATIONS

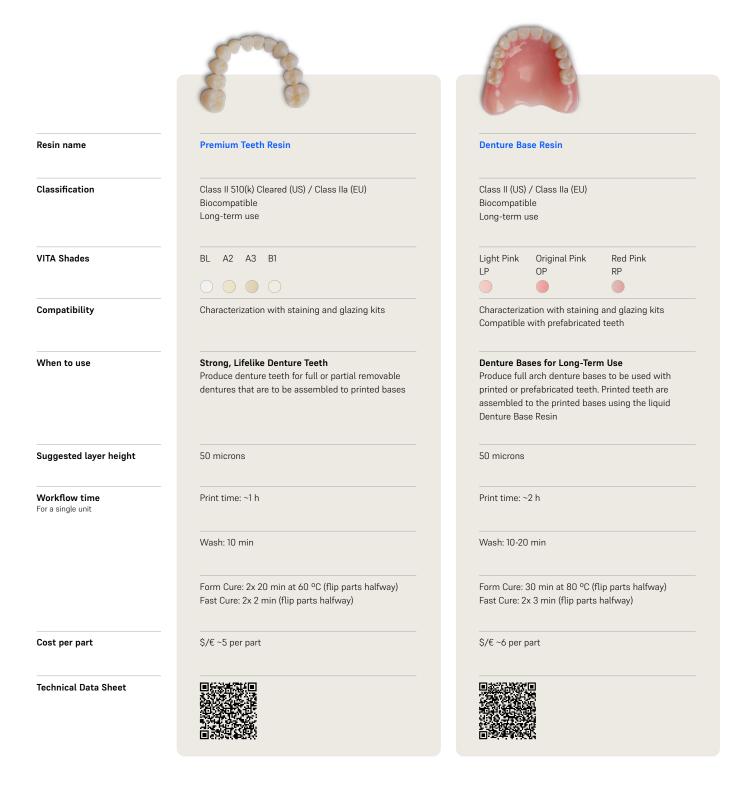
Unlock 3D printed temporary full-arch implant-supported restorations in-house with our nano-ceramic filled Premium Teeth Resin. Equipped with optimal intraoral mechanical properties, fracture resistance, and accuracy, this material's aesthetics replicate a patient's natural smile, while saving valuable workflow time in post-processing and finishing steps.



Digital Dentures

EXPANDING ACCESS TO HIGH-QUALITY DENTURES IN CUSTOM SHADES

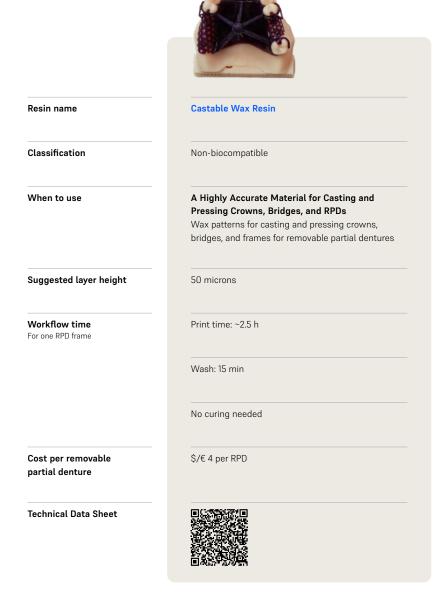
Produce high-quality dentures in-house. Formlabs' Premium Teeth Resin and Denture Base Resin enable you to create full dentures in custom shades more easily and affordably than ever.



Patterns for Casting and Pressing

FOR OPTIMIZING YOUR ANALOG WORKFLOW WITH DIGITAL ACCURACY

Castable Wax Resin provides casting and pressing patterns with sealed margins for accuracy, 20% wax for a clean burnout, and no curing requirements for a streamlined workflow.



Your Next 3D Printing Idea:

Maximize Your Time, Money, and Throughput With Formlabs Dental 3D Printing Solutions

"We can actually do samevisit printing, where we can go from a scan to a printed model and fabricate an appliance very easily within 10 minutes so we have it before a patient leaves."

Dr. Christopher Baer DMDBaer Dental

"It's a very easy set-up and very fast! From a user standpoint, meaning someone that is not trained to 3D print, this is a really easy set-up. It's so easy to use and intuitive"

Dr. Lisa Alvetro DDSOrthodontist & Owner
Alvetro Orthodontics

"Form 4B was a game changer for our entire production, because now we can produce parts two to five times faster than before."

Stephan Kreimer MDT Kreimer Dentallabor

