



optiprint[®]
Germany's favorite 3D Resin

Premium resins

The perfect choice for your 3D printer. Where you as a user always expect new materials for the growing number of applications for printing technology, dentona supplies you with premium resins from their **optiprint** series that you can use for all device classes. Convince yourself of the latest **optiprint** innovations: The transparent, flexible 3D printing resin for bite splints, a thermoelastic material for interim partial dentures and a premium resin for customised mouthguards.



Germany's favorite 3D Resin

Bite splints



optiprint® durotec® 385 & 405 nm

Germany's favorite 3D Resin

optiprint durotec is the clear-flexible 3D printing resin for stable, high-precision bite splints, which, due to their temperature-dependent features, are also extremely comfortable to wear. **optiprint** durotec impresses with its indication-based firmness and high break resistance due to its perfect elasticity. The temperature-dependent properties of the splint also allow an optimally adjusted flexibility in the patient's mouth, so that he finds it very comfortable to wear the splint. **optiprint** durotec is resistant to oral conditions as well as tasteless.



Product	Description	Item No.
optiprint durotec (385 nm)	transparent 1 kg	48460
optiprint durotec (385 nm)	transparent 500 g	48461
optiprint durotec (405 nm)	blue transparent 1 kg	48470
optiprint durotec (405 nm)	blue transparent 1 kg	48471

Special features

- » Optimal break resistance thanks to elasticity
- » Flexible
- » Tasteless



Interim partial dentures



optiprint[®] interim[®]
Germany's favorite 3D Resin

optiprint interim is the pink, thermoelastic material for the production of flexible interim restorations. Thanks to its tension-free comfort, the restoration remains almost unnoticed in everyday life. In addition, **optiprint** interim can be easily repaired, relined and individually adapted using the vivapink powder-liquid system from dentona, which has also been specially developed for secure teeth fixation. With **optiprint** interim, dentists and laboratories receive a reliable solution that perfectly combines flexibility, aesthetics and wearing comfort.



Product	Description	Item No.
optiprint interim	pink 1 kg	48410
optiprint interim	pink 500 g	48411

Special features

- » Tension-free comfort
- » Maximum efficiency – saves time and resources
- » Secure teeth fixation, repairs, relinings and extensions with vivapink



Sports mouth guards



optiprint® sportec®
Germany's favorite 3D Resin

optiprint sportec allows you to offer your patients a personalised mouth-guard that can be quickly and precisely created using an intraoral scan and digital production, without the need for a conventional model. The specially developed 3D printing material adapts perfectly to the shape of the teeth and guarantees maximum comfort. The mouthguard fits securely and comfortably, even during intense sporting activities. Thanks to the digital workflow, a customized sports mouthguard can be produced quickly and cost-effectively. **optiprint sportec** is available in two different hardnesses to meet the individual needs of the patient and the type of sport practised.



Choose **optiprint sportec** – for a customised, comfortable and refreshing mouthguard that is digitally and efficiently manufactured.

Product	Description	Item No.
optiprint sportec soft	blue transparent 1 kg	48480
optiprint sportec hard	blue transparent 1 kg	48485

Special features

- » Reproducibility and Personalisation
- » Fewer pressure points and better adaptation to the shape of the mouth
- » High wearing comfort - less bulky



Model production



optiprint mattec is the ideal material for manufacturing full and die models using 3D printing. Thanks to its special composition, it achieves a surface finish that is almost identical to that of a traditional plaster model.



Product	Description	Item No.
optiprint mattec (385-405 nm)	caramel 1 kg	48440
optiprint mattec (385-405 nm)	cashmere 1 kg	48443
optiprint mattec (385-405 nm)	dolphin 1 kg	48446

Special features

» Surface quality like a plaster model
 » Designed for full and die models



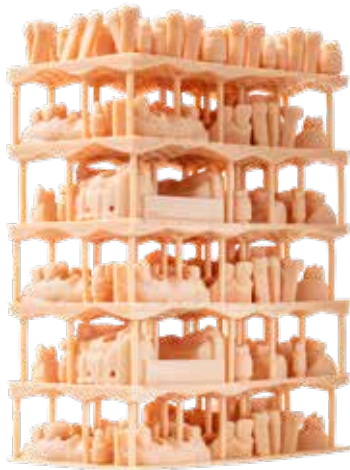
Model production



The opaque, light and moisture stable **optiprint** model resin was especially designed for the model production. The version in golden brown color offers the optimal visibility of the margin line and combined with the abrasion resistance of the component it grants a plaster-like model processing.



Product	Description	Item No.
optiprint model (385-405 nm)	ivory 1 kg	48051
optiprint model (385-405 nm)	golden brown 5 kg	48047
optiprint model (385-405 nm)	golden brown 1 kg	48050
optiprint model (385-405 nm)	grey 5 kg	48215
optiprint model (385-405 nm)	grey 1 kg	48212



Alexander von Fehrentheil, vFM Dentallabor GmbH, Hamburg

„The 3D printer now enables us to produce a physical model from the impression data ourselves, that meets all of our requirements: Highest detail reproduction and dimensional stability. We have been working with the 3Shape software for years and could continue the usual processes without any changes when using the 3D printer. The user is not committed to one system with a 3D printer from dentona. The slicing software supplied with the printer reads every STL file enabling a smooth integration of the additive manufacturing in the process.“

optiprint[®] express

Germany's favorite 3D Resin

optiprint express is the first fast model resin optimized for 405 nm. The material shortens the printing time thanks to shorter exposure times.

Product	Description	Item No.
optiprint express (405 nm)	golden brown 1 kg	48380



optiprint[®] model align

Germany's favorite 3D Resin

This is a special material variant with a high hardness for orthodontic as well as aligner models. The special resin is matched to the requirements of the thermoforming technology on the model and guarantees the technician a high level of process reliability. For example **optiprint** model align is especially suitable for the model production as part of the in-house production of aligners.

Product	Description	Item No.
optiprint model align (385-405 nm)	light yellow 1 kg	48060



Special features

- » Surface quality like a plaster model
- » Matched to the thermoforming technology
- » Ideal for in-house aligner production



Dr. Clemens Fricke, Orthodontists, Dortmund

„We get a precise model of the oral situation from the 3D printer as basis e.g. for the production of splints for therapeutic use or dentures.“



Flexible gingival mask

optiprint[®] gingiva 2.0

Germany's favorite 3D Resin

The special resin **optiprint** gingiva 2.0 has been developed for the production of flexible gingival masks with the 3D printing technology. The colour of **optiprint** gingiva 2.0 is very similar to the natural gingiva and simplifies the creation of aesthetic dentures for the dental technician. **optiprint** gingiva 2.0 is the ideal complement to the special **optiprint** model resin.



Product	Description	Item No.
optiprint gingiva 2.0 (385-405 nm)	gingiva 1 kg	48072
optiprint gingiva 2.0 (385-405 nm)	gingiva 500 g	48073

Special features

- » Functional upgrade of the model
- » Natural reproduction of the gingiva
- » Flexible and tear-resistant



Individual impression trays



optiprint tray has been consequently developed and optimized for the additive manufacturing of individual impression trays from the point of view of mechanics, polymerization behavior and optics. Due to the high translucency of the 3D printed part, the practitioner always has control during the impression process and the removal of the tray out of the mouth.



Product	Description	Item No.
optiprint tray (385 - 405 nm)	light blue 1 kg	48021
optiprint tray (385 - 405 nm)	green 1 kg	48020
optiprint tray (385 - 405 nm)	pink 1 kg	48023
optiprint tray (385 - 405 nm)	orange 1 kg	48022
optiprint tray (385 - 405 nm)	viper green 1 kg	48352
optiprint tray (385 - 405 nm)	ocean blue 1 kg	48354
optiprint tray (385 - 405 nm)	magic black 1 kg	48350
optiprint tray (405 nm)	blue 1 kg	48032

Special features

- » Coordinated curing depth for high build speeds
- » Dimensionally stable
- » High translucency for maximum control



Denture bases



optiprint laviva is the 3D printing resin for lifelike dentures. Thanks to a natural translucent coloring and the high mechanical strength dentures can be printed that delight every patient with their appearance and stability. If necessary the gingival areas can be characterized by the help of composite or plastic and a little more naturalness can be worked out. The printed denture base is torsion-resistant and also safely withstands high loads. Any sedimentation of the material in the bottle or in the material tray is excluded.



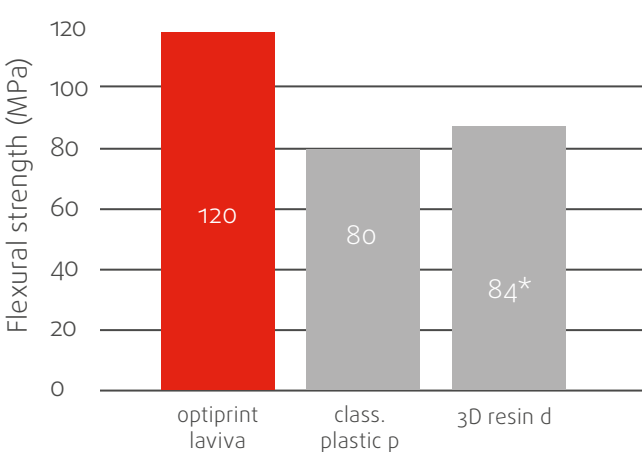
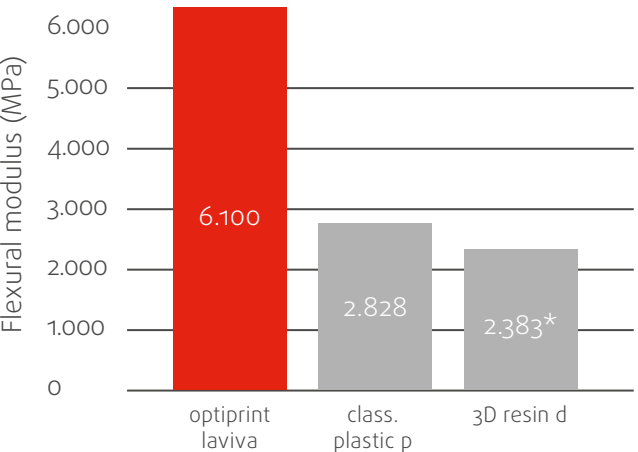
Product	Description	Item No.
optiprint laviva (385-405 nm)	light pink 1 kg	48230
optiprint laviva (385-405 nm)	light pink 500 g	48231
optiprint laviva (385-405 nm)	dark pink 1 kg	48232
optiprint laviva (385-405 nm)	dark pink 500 g	48233

Special features

» Naturally translucent aesthetics

» Particular mechanical strength

» No risk of sedimentation



*Information from the manufacturer

Crowns and bridges

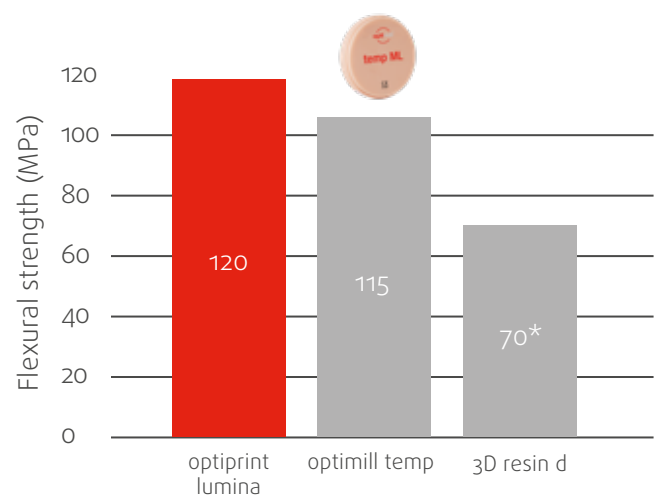
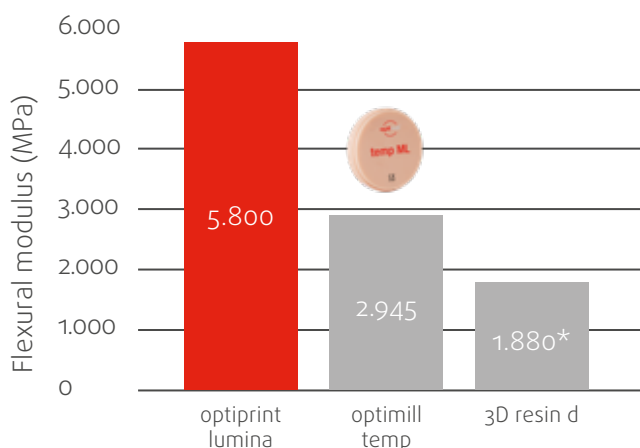


optiprint lumina is the translucent 3D printing resin for natural-looking temporary crowns and bridges. As a highly filled 3D printing resin, **optiprint lumina** combines excellent edge adjustment with strength and aesthetics. Thanks to the available tooth shades (VITA tooth color scale) high aesthetic demands are met without additional reworking. In addition the restorations can be easily individualized with composite if necessary. Editing and polishing are extremely easy. A sedimentation of the material in the bottle or in the material tray is excluded.



Product	Description	Item No.
optiprint lumina (385-405 nm)	Vita A1-B1 1 kg	see webshop
optiprint lumina (385-405 nm)	Vita A1-C2 500 g	see webshop

Special features
» No risk of sedimentation
» Natural tooth aesthetics thanks to VITA tooth colors
» Effortless customization



*Information from the manufacturer

Bracket positioning

optiprint® I-B-T 385

Germany's favorite 3D Resin

The 3D printing resin **optiprint** I-B-T 385 is specially designed for the additive manufacturing of transfer templates for bracket positioning. The transfer templates can be very easily designed with a CAD software. The practitioner benefits from the increased accuracy, safety and speed when using the brackets. The material is very flexible and deliberately tearable for the easy removal of the template.



Product	Description	Item No.
optiprint I-B-T 385	clear transparent 1 kg	48100

Special features

- » Comfortable and safe
- » Flexible and deliberately tearable
- » Medical device class I



Implant drill guides

optiprint[®] guide

Germany's favorite 3D Resin

optiprint guide is a clear transparent, light-curing premium resin for the production of implant drill guides. The material is characterized by its exceptional UV stability in combination with reliable bending/tensile strength. **optiprint** guide grants high process robustness and meets the highest demands on handling without being brittle. The components made from **optiprint** guide can be sterilized by the help of steam. They remain dimensionally stable and almost free of discoloration. The resin has a low viscosity.



Product	Description	Item No.
optiprint guide 385	clear transparent 1 kg	48000
optiprint guide 385	clear transparent 500 g	48001
optiprint guide 405	clear transparent 1 kg	48010
optiprint guide 405	clear transparent 500 g	48011

Special features

- » Clear transparent
- » Very high UV stability
- » Proven process reliability
- » Autoclavable



Model casting, crowns and bridges

optiprint[®] cast nf

Germany's favorite 3D Resin

The dental 3D printing resin **optiprint** cast nf takes the CAD/Cast process to a new level. This residue-free burn out premium resin impresses with its precision, smooth surfaces and distortion-free cast objects - the basis for high-precision model cast frameworks and metallic crowns and bridges. Very delicate support structures guarantee distortion-free cast parts. Smooth surfaces simplify the manual work steps after casting (e.g. polishing). Even the finest surface structures are reproduced true to detail.



Product	Description	Item No.
optiprint cast nf (385-405 nm)	red 1 kg	48400
optiprint cast nf (385-405 nm)	red 500 g	48401

40%
time saving

20min
construction time

0,87 EUR
material costs

Special features

- » Residue-free burn out
- » Particularly suitable for the speed casting process
- » Smooth, waxy finish
- » Enables finest support structures and distortion-free frameworks



Quality assurance in the process chain



This proven 3D printing resin was specially developed for the digital documentation of the manufacturing process using 3D printing for quality management. Without further surface conditioning the part printed with **optiprint match** can be rescanned to match the data with the initial file of the work.

The user thus retains control over the accuracy of his digital manufacturing process and valuable support in investigating the cause in the case of deviations. **optiprint match** increases the quality assurance within the production. The eye-friendly, soft matt brown color of **optiprint match** provides a homogeneous surface image of the printed part.



Product	Description	Item No.
optiprint match (385-405 nm)	light brown 1 kg	48120

Special features

- » Ideal for documenting the process quality
- » Good scannability without surface conditioning
- » Homogeneous component surfaces



Controlled light curing and cleaning

rapidshape PRO cure & wash

The **rapidshape** PRO wash is a fully automatic cleaning unit that safely and easily cleans all 3D printed parts within approx. 6-8 minutes. Thanks to the connection to the **rapidshape** printer, the appropriate cleaning program is selected automatically. The result is a process-reliable, simple and environmentally friendly two-stage pre- and final cleaning (patent pending). The **rapidshape** PRO cure light curing unit with its powerful LEDs is an important process component ensuring the requirements for the production of medical devices. With the integrated vacuum technology, it ensures 360° homogeneous curing of the 3D printed parts.



	rapidshape PRO cure	rapidshape PRO wash
Dimensions	243 x 419 x 269 mm	230 x 270 x 380 mm
UV chamber	179 x 117 x 102 mm	-
Cleaning chamber	-	119 x 160 x 99 mm

ASIGA® Cure

Precision meets efficiency

Optimise your workflow with the revolutionary Dose Curing from Cure. Thanks to precise light dosing for each object, you get consistent and reliable results. Discover maximum comfort with the touch-free lid opening – for hygienic and effortless handling. By heating up to 80 °C, **ASIGA** Cure accelerates the curing process and improves material properties for optimal end results.



Technical specifications

Volume	1,5L / 2,5L
Dimensions	360 x 330 x 240
Weight	7 kg
Power	100-240 VAC, 50/60 Hz, 500 Watt (100 V - 5 Amp. Max. 240 V - 2,1 Amp)
Network compatibility	Ethernet, Wi-Fi

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