

AUDIO 3D RESINS

HIGH PERFORMANCE POLYMERS



» PRODUCT CATALOGUE «
2024

DETAX
HIGHEND MEDICAL MATERIALS



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PRODUCT OVERVIEW

3D PREMIUM RESINS

MEDICALPRINT® NOBREAK



In-Ear-Monitoring
Earmoulds
Hearing Protection
ITE Shells






MEDICALPRINT® SHELL



ITE Shells
In-Ear-Monitoring
Foil-Earmoulds
Hearing Protection (active)






LUXAPRINT® SHELL



ITE Shells
In-Ear-Monitoring
Foil-Earmoulds
Hearing Protection (active)






LUXAPRINT® COCOON



Castings/Special Casting Moulds






MEDICALPRINT® MOULD



In-Ear-Monitoring
Earmoulds
Hearing Protection
ITE Shells






LUXAPRINT® MOULD

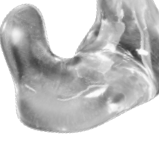

In-Ear-Monitoring
Earmoulds
Hearing Protection
ITE Shells






LUXAPRINT® FLEX



Swim Plugs
Hearing Protection
Earmoulds
In-Ear-Monitoring






LUXAPRINT® CAST 2.0

Castings/Casting Moulds





PRODUCT OVERVIEW

LACQUERS/ACCESSORIES

MEDICALPRINT® COAT

High gloss sealing/soft coating:
In-Ear-Monitoring
Earmoulds
Hearing protection
ITE Shells



LUXAPRINT® FLEX COAT

Soft surface sealing:
In-Ear-Monitoring
Hearing Protection
Earmoulds
Swim Plugs



LUXAPRINT® SHELLAC

High gloss sealing:
ITE Shells
In-Ear-Monitoring
Earmould
Hearing Protection



LUXAPRINT® SHELLAC COLOR

Coloured sealing:
ITE Shells
In-Ear-Monitoring
Earmould
Hearing Protection



CAST SEPARATOR 2.0

Separating agent for
Castings/Casting Mould



CAST SEPARATOR PU

Separating agent for
Castings/Casting Mould



APPLICATIONS

ITE SHELLS
LUXAPRINT® SHELL
LUXAPRINT® MOULD
MEDICALPRINT® SHELL
MEDICALPRINT® MOULD
MEDICALPRINT® NOBREAK



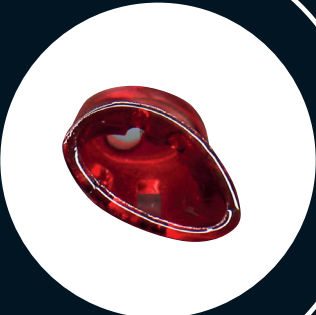
EARMOULD
LUXAPRINT® MOULD
LUXAPRINT® FLEX
MEDICALPRINT® MOULD
MEDICALPRINT® NOBREAK



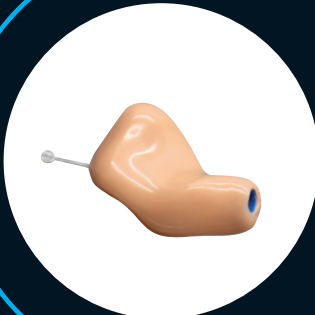
HEARING PROTECTION
LUXAPRINT® MOULD
LUXAPRINT® FLEX
MEDICALPRINT® MOULD
MEDICALPRINT® NOBREAK



FOIL-EARMOULD
LUXAPRINT® SHELL
LUXAPRINT® MOULD
MEDICALPRINT® SHELL
MEDICALPRINT® MOULD
MEDICALPRINT® NOBREAK



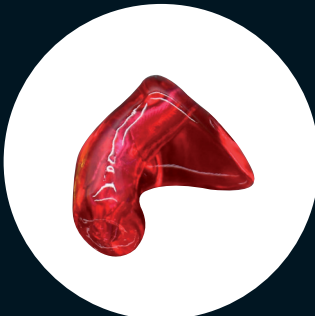
HEARING PROTECTION (ACTIVE)
LUXAPRINT® SHELL
LUXAPRINT® MOULD
MEDICALPRINT® SHELL
MEDICALPRINT® MOULD
MEDICALPRINT® NOBREAK



IN-EAR-MONITORING
LUXAPRINT® SHELL
LUXAPRINT® MOULD
MEDICALPRINT® SHELL
MEDICALPRINT® MOULD
MEDICALPRINT® NOBREAK



SWIM PLUG
LUXAPRINT® CAST 2.0
LUXAPRINT® FLEX



**CASTINGS/
CASTING MOULD**
LUXAPRINT® CAST 2.0
LUXAPRINT® COCOON



MATRIX

LUXAPRINT®

Material type	Application	Colour	Colour intensity low high	Product features	Medical devices Class MDR
MOULD	<ul style="list-style-type: none">In-Ear-MonitoringEarmouldsHearing ProtectionITE Shells	blue, clear, light beige, intensive blue, rose, rose-orange, red	transparent	<ul style="list-style-type: none">low viscosityhighest precisionmaximum initial hardnessvery high surface hardness	Ila
SHELL	<ul style="list-style-type: none">ITE ShellsIn-Ear-MonitoringFoil-EarmouldsHearing Protection (active)	beige, intensive blue, intensive red, black,white	transparent opaque	<ul style="list-style-type: none">low sedimentation tendencyhighest precisionmaximum initial hardnessvery high surface hardnessoptimal depth curing	Ila
FLEX	<ul style="list-style-type: none">In-Ear-Monitoring,Hearing ProtectionEarmouldsSwim Plugs	clear	transparent	<ul style="list-style-type: none">high impact resistance with memory effectfast elastic recovery90 Shore A at 23 °C70 Shore A at 37 °C	Ila
COCOON	<ul style="list-style-type: none">Special Casting Mould for silicone earmoulds	clear-transparent	transparent	<ul style="list-style-type: none">easy to remove < 2 secflexible and stable in formfilling level controlusage without separator	TEC resin
CAST 2.0	<ul style="list-style-type: none">Casting Mould for silicone earmoulds / polyurethane	green-transparent	transparent	<ul style="list-style-type: none">easy to removevery low viscosity	TEC resin

MEDICALPRINT®

Material type	Application	Colour	Colour intensity low high	Product features	Medical devices Class MDR
NOBREAK	<ul style="list-style-type: none">EarmouldsHearing ProtectionIn-Ear-MonitoringITE Shells	clear, rose, red-transparent, blue-transparent, black, white, beige, medium brown, dark brown	transparent opaque	<ul style="list-style-type: none">highest breaking strengthmax. impact resistancehigh initial transparencyeasy processing	in process
SHELL	<ul style="list-style-type: none">ITE ShellsFoil-EarmouldsHearing Protection (active)In-Ear-Monitoring	beige, skin blue-opaque, red-opaque, black, white	opaque	<ul style="list-style-type: none">low sedimentation tendencyhigh impact resistancebreak resistancemaximal precisionoptimal depth curing	Ila
MOULD	<ul style="list-style-type: none">EarmouldsHearing ProtectionIn-Ear-MonitoringITE Shells	clear, rose, rose-orange	transparent	<ul style="list-style-type: none">low viscosityhigh impact resistancehigh initial transparencymaximal precision	Ila

LACQUERS

Material type	Application	Colour	Colour intensity low high	Product features	Medical devices Class MDR
LUXAPRINT® SHELLAC	High gloss sealing: <ul style="list-style-type: none">ITE ShellsIn-Ear-MonitoringEarmouldsHearing Protection	transparent	transparent	<ul style="list-style-type: none">easy to clean surface„blue ray“ yellowing protectionhigh surface hardnessstrong adhesionvery low viscosity	Ila
LUXAPRINT® SHELLAC COLOR	Coloured sealing: <ul style="list-style-type: none">ITE ShellsIn-Ear-MonitoringEarmouldsHearing Protection	blue, brown, yellow, green, orange, red, black, violet	transparent	<ul style="list-style-type: none">colours freely mixablelong-term colour stableextended colour stabilityscratch proofvery low viscositystrong adhesion	Ila
LUXAPRINT® FLEX COAT	Soft surface sealing for hard & soft earmoulds: <ul style="list-style-type: none">In-Ear-Monitoring,Hearing ProtectionEarmouldsSwim Plugs	transparent	transparent	<ul style="list-style-type: none">permanently softstrong bonding„blue ray“ yellowing protectionlow viscosityperfect for dipping	Ila
MEDICALPRINT® COAT	High gloss sealing/ soft coating: <ul style="list-style-type: none">EarmouldsHearing protectionIn-Ear-MonitoringITE Shells	transparent	transparent	<ul style="list-style-type: none">anti-slip-effectlow viscositystrong bondingperfect for dippingfor impact resistant earmoulds	in process

LUXAPRINT®

- > Bisphenol A free, MMA-free
- > highest initial hardness
- > minimal initial discolouration
- > highest surface hardness
- > drying process

MEDICALPRINT®

- > MMA-free
- > high initial hardness
- > no initial discolouration
- > highest impact resistance
- > no drying process

MDR MDR certified

36 MONTHS 36 Months Shelf life

CE 0483 Medical Product Class Ila

TPO FREE TPO-free

TEC Technical Product

THF-MA FREE THF-MA-free

PREMIUM FORMULA Premium Quality

BPA FREE Bisphenol A free

eco Eco Bag 5 kg

MMA FREE MMA-free

MDR Medical Device Regulation EU TPO-free does not contain Diphenyl(2,4,6-trimethyl-benzoyl)phosphinoxide [Reproductive Toxicity, Cat. 1B] THF-MA-free does not contain any tetrahydrofurfuryl methacrylate [Reproductive Toxicity, Cat. 1B] BPA-free does not contain any raw material based on bisphenol A [Reproductive Toxicity, Cat. 1B] MMA-free does not contain any methyl methacrylate

MEDICALPRINT[®] NOBREAK

IN-EAR-MONITORING EARMOULDS HEARING PROTECTION ITE SHELLS

Light-curing formulation for 3D printing of earmoulds, In-Ear-Monitoring, hearing protection & ITE shells.

Colours: clear, rose, red-transparent, blue-transparent, black, white, beige, medium brown, dark brown

Wavelength: 385 nm
Medical Device Class IIa

- Highest breaking strength
- Max. impact resistance
- High initial transparency
- Easy processing



Property	Standard	Unit measurement	Result
Tensile strength	DIN EN ISO 527-1 ¹⁾	MPa	> 45*
Elongation	DIN EN ISO 527-1 ¹⁾	-	> 7 %*
Hardness	-	Shore D	> 70*

¹⁾ Plastics: Determination of flexural properties (in accordance with the norm at room temperature)

clear	1.000 g
rose	1.000 g
blue-transparent	1.000 g
red-transparent	1.000 g
beige	1.000 g
white	1.000 g
black	1.000 g
medium brown	1.000 g
dark brown	1.000 g

*available 2024

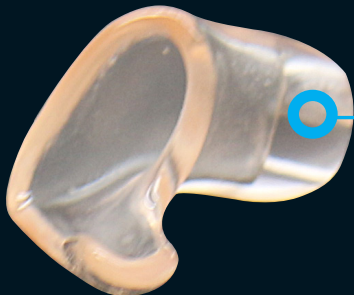


Wide range of colours for making all kinds of earmoulds: ITE shells, in-ear monitoring, hearing protection, etc.

No cracks, breaks or chipping due to highest impact resistance.



Maximum space efficiency thanks to extremely thin-walled shells and foil earmolds.



MEDICALPRINT® MOULD

IN-EAR-MONITORING EARMOULDS HEARING PROTECTION ITE SHELLS

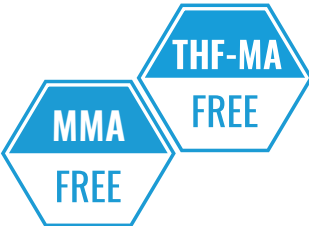
Light-curing formulation for 3D printing of earmoulds, In-Ear-Monitoring, hearing protection & ITE shells.

Colours: clear, rose, rose-orange

Wavelength: 385 nm

Medical Device Class IIa

- High initial transparency
- High impact resistance
- Max. construction precision
- No drying process required

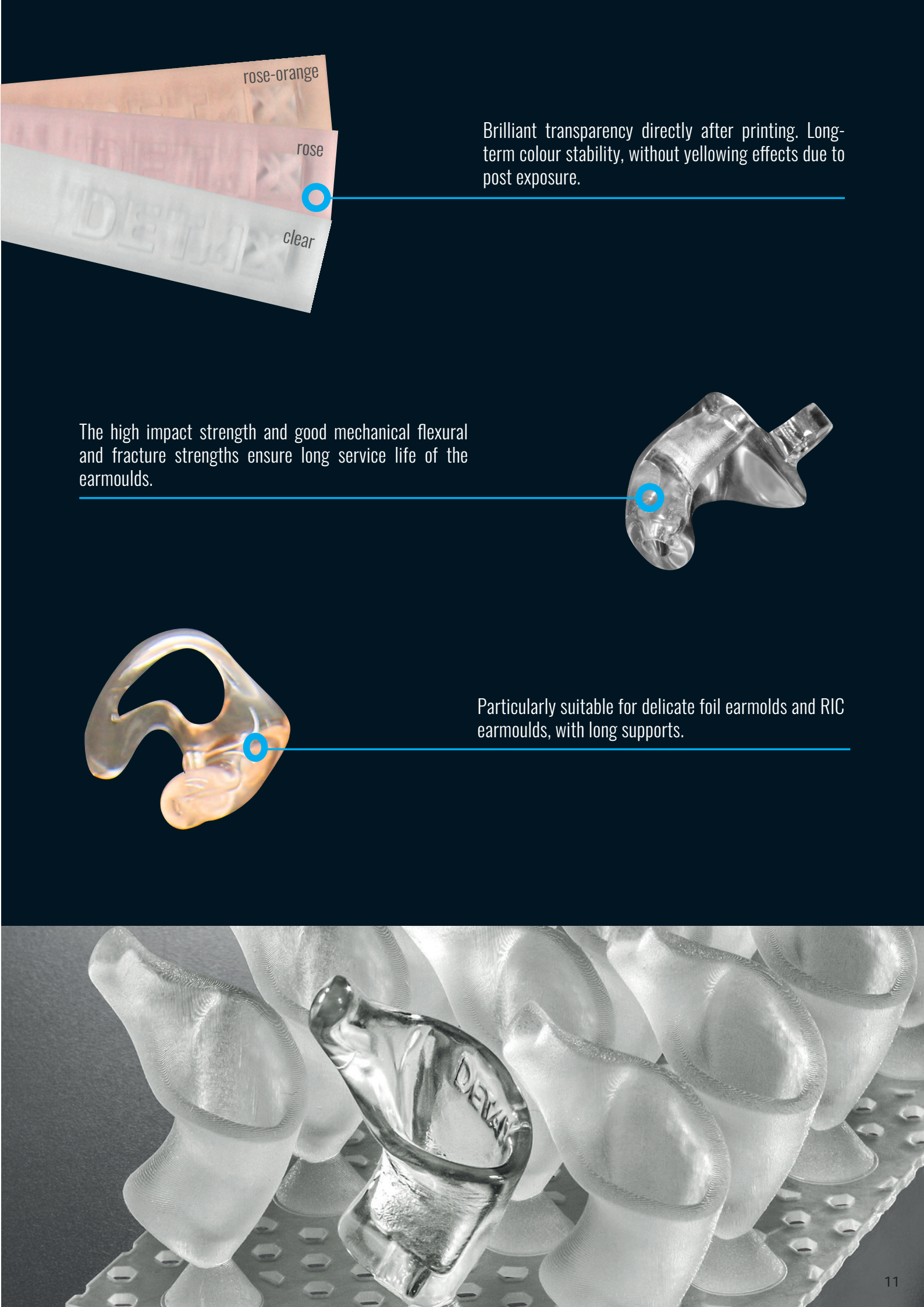


Property	Standard	Unit measurement	Result
Flexural strength	DIN EN ISO 178 ¹⁾	MPa	> 75
Flexural modulus	DIN EN ISO 178 ¹⁾	MPa	> 1900
Tensile strength	DIN EN ISO 527-1 ²⁾	MPa	> 50
Elongation	DIN EN ISO 527-1 ²⁾	-	> 4 %
Hardness	-	Shore D	> 80
Biocompatibility	DIN EN ISO 10993-1 ³⁾	-	complies

¹⁾ Plastics: Determination of flexural properties (in accordance with the norm at room temperature)
²⁾ Plastics: Determination of tensile properties (in accordance with the norm at room temperature)
³⁾ Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process

clear 2.0	1.000 g	04224	5 kg	03316
rose 2.0	1.000 g	02449	5 kg	03314
rose-orange 2.0*	1.000 g	02904	5 kg	03304

* upon request



Brilliant transparency directly after printing. Long-term colour stability, without yellowing effects due to post exposure.

The high impact strength and good mechanical flexural and fracture strengths ensure long service life of the earmoulds.

Particularly suitable for delicate foil earmolds and RIC earmoulds, with long supports.

MEDICALPRINT® SHELL

ITE SHELLS IN-EAR-MONITORING FOIL-EARMOULDS HEARING PROTECTION (ACTIVE)

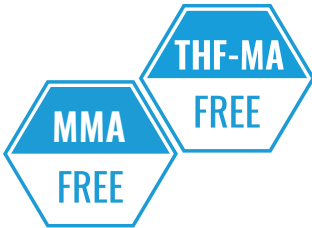
Light-curing formulation for 3D printing of hearing aid shells, In-Ear-Monitoring and foil earmoulds.

Colours: beige, blue-opaque, red-opaque, black, skin, white, medium brown, dark brown

Wavelength: 385 nm

Medical Device Class IIa

- Very high construction precision
- High impact resistance
- Reduced sedimentation tendency
- No drying process required



Property	Standard	Unit measurement	Result
Flexural strength	DIN EN ISO 178 ¹⁾	MPa	> 75
Flexural modulus	DIN EN ISO 178 ¹⁾	MPa	> 1900
Tensile strength	DIN EN ISO 527-1 ²⁾	MPa	> 50
Elongation	DIN EN ISO 527-1 ²⁾	-	> 4 %
Hardness	-	Shore D	> 80
Biocompatibility	DIN EN ISO 10993-1 ³⁾	-	complies

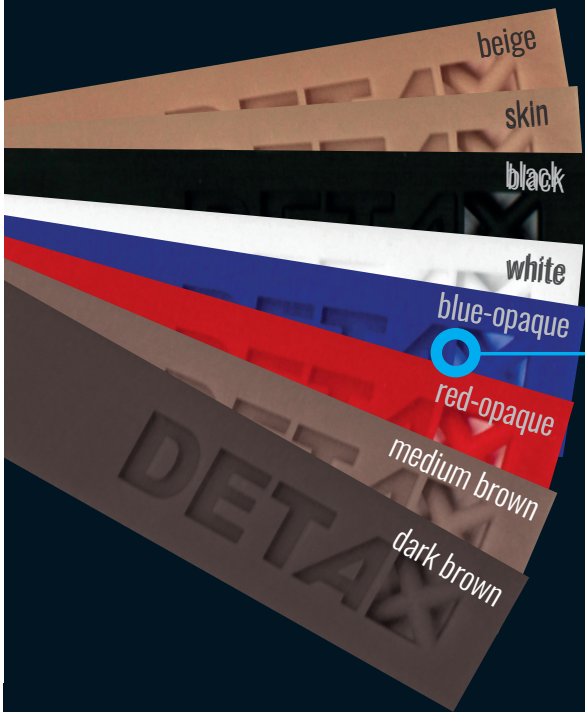
¹⁾Plastics: Determination of flexural properties (in accordance with the norm at room temperature)

²⁾Plastics: Determination of tensile properties (in accordance with the norm at room temperature)

³⁾Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process

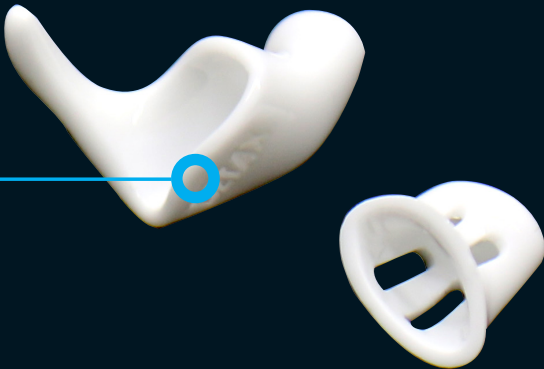
03016	beige 2.0	1.000 g
04164	blue-opaque*	1.000 g
04165	red-opaque*	1.000 g
03043	black*	1.000 g
02192	skin 2.0	1.000 g
04073	white*	1.000 g
04435	medium brown 2.0**	1.000 g
02039	dark brown 2.0**	1.000 g

* not THF-MA free/ ** upon request



Wide range of classic and modern colours, long-term stability, particularly for thin-walled earmolds.

Very high production precision and surface hardness, outstanding mechanical flexural and breaking strength.



The intense colours are particularly suitable for hearing protection earmoulds and can be optimally used in the area of in-ear monitoring for visual side marking.



MEDICALPRINT® COAT

HIGH GLOSS SEALING/SOFT COATING:
EARMOULD
HEARING PROTECTION
IN-EAR-MONITORING
ITE SHELLS

Light curing lacquer for permanent surface sealing of 3D printed earmoulds made of (meth)acrylate or for soft coating of hard earmoulds.

Colour: transparent
Medical Device Class IIa

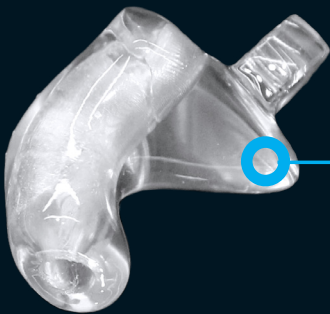
- anti-slip-effect
- low viscosity
- strong bonding
- perfect for dipping
- for impact resistant earmoulds



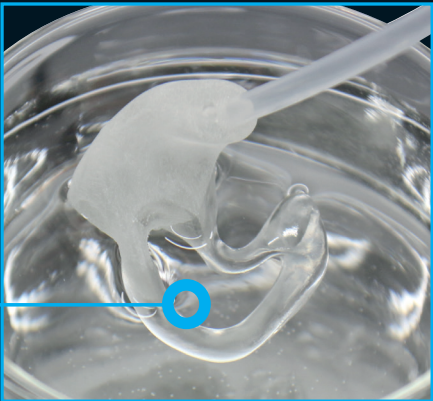
transparent
transparent
transparent

50 ml
100 ml
300 ml

*available 2024



Perfectly matched to the material properties of MEDICALPRINT® NOBREAK.



Soft coating for hard earmoulds. Creates a non-slip surface and ensures high wearing comfort. The anti-slip effect guarantees the secure fitting of the earmould.



Easy application (dip/brush). Creates a homogeneous, easy-to-clean surface.



LUXAPRINT® MOULD

IN-EAR-MONITORING EARMOULDS HEARING PROTECTION ITE SHELLS

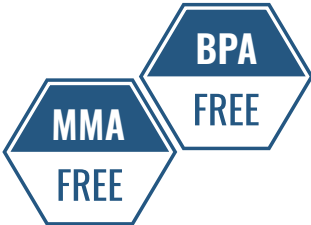
Light-curing formulation for 3D printing of hard earmoulds & hearing protection.

Colours: clear, rose, rose-orange, light beige, red, blue, intensive blue

Wavelength: 385 nm

Medical Device Class IIa

- High initial hardness
- Max construction precision
- Optimum depth curing
- Low material consumption



Parameters	Standard	Unit	Results
Flexural strength	DIN EN ISO 178 ¹⁾	MPa	> 75
Flexural modulus	DIN EN ISO 178 ¹⁾	MPa	> 1750
Tensile strength	DIN EN ISO 527-1 ²⁾	MPa	> 47
Elongation	DIN EN ISO 527-1 ²⁾	–	> 9 %
Hardness	–	Shore D	> 84
Biocompatibility	DIN EN ISO 10993-1 ³⁾	–	complies

¹⁾Plastics: Determination of flexural properties (in accordance with the norm at room temperature)
²⁾Plastics: Determination of tensile properties (in accordance with the norm at room temperature)
³⁾Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process

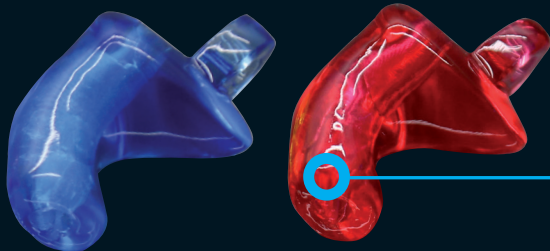
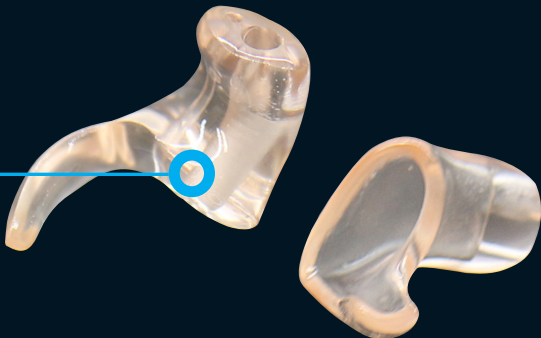
clear	500 g	03717	1.000 g	03608	5 kg	03325
rose	500 g	03718	1.000 g	03609	5 kg	03323
rose-orange*			1.000 g	03946		
light beige*			1.000 g	03973		
red			1.000 g	03611		
blue			1.000 g	03610		
intensive blue			1.000 g	03728	5 kg	03324

* upon request



Wide range of classic colours of supreme transparency, especially for hearing protection and hearing aid earmoulds.

Maximum production process reliability thanks to high green part/initial hardness and strength.



Very high mechanical flexural and tensile strength without brittleness.



LUXAPRINT® SHELL

ITE SHELLS
IN-EAR-MONITORING
FOIL-EARMOULDS
HEARING PROTECTION (ACTIVE)

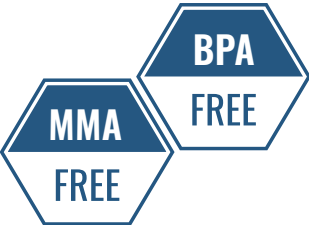
Light-curing formulation for 3D printing of hard ITE shells.

Colours: beige, intensive blue, intensive red, black, white

Wavelength: 385 nm

Medical Device Class IIa

- Low viscosity
- High initial hardness
- Max construction precision
- Very high surface hardness



Parameters	Standard	Unit	Results
Flexural strength	DIN EN ISO 178 ¹⁾	MPa	> 70
Flexural modulus	DIN EN ISO 178 ¹⁾	MPa	> 1800
Tensile strength	DIN EN ISO 527-1 ²⁾	MPa	> 47
Elongation	DIN EN ISO 527-1 ²⁾	–	> 9 %
Hardness	–	Shore D	> 82
Biocompatibility	DIN EN ISO 10993-1 ³⁾	–	complies

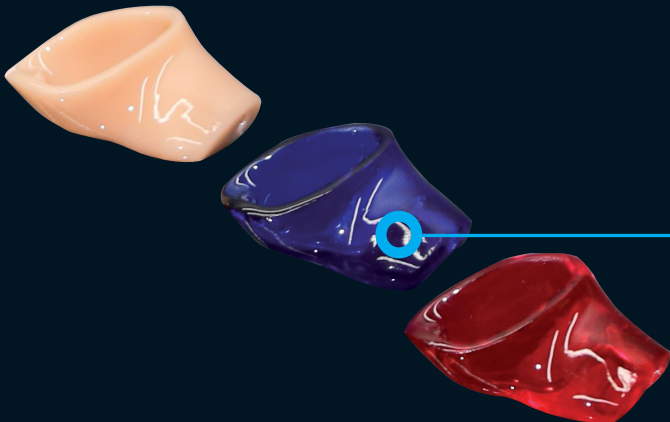
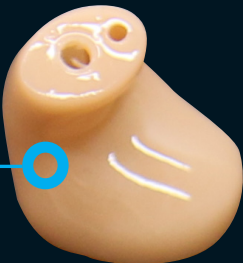
¹⁾Plastics: Determination of flexural properties (in accordance with the norm at room temperature)
²⁾Plastics: Determination of tensile properties (in accordance with the norm at room temperature)
³⁾Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process

beige	500 g	03538	1.000 g	03513
intensive blue			1.000 g	03591
intensive red			1.000 g	03601
black	500 g	03844	1.000 g	03843
white	500 g	03842	1.000 g	03841



Classic or modern: The color palette offers the right colour for every application. Especially suitable for high-end monitoring.

Very high mechanical flexural and fracture strength without brittleness, even in thin-walled ITE shells.



Targeted colour setting for very high opacity with simultaneous optimum curing.



LUXAPRINT® SHELLAC

HIGH GLOSS SEALING:
ITE SHELLS
IN-EAR-MONITORING
EARMOULD
HEARING PROTECTION

Light curing lacquer for permanent surface sealing of 3D printed earmoulds made of (meth)acrylate.

Colour: clear-transparent
Medical Device Class IIa

- Easy to clean surface
- High surface hardness
- Strong bonding
- Very low viscosity
- „blue ray“- yellowing protection



04006 transparent
03594 transparent
03595 transparent

50 ml
100 ml
300 ml



Brilliant finish without mechanical repolishing.



Easy to process (dip/brush). Creates a homogeneous, scratch-resistant and easy-to-clean surface (easy clean) and reduces cerumen adhesion.



Can be used in combination with LUXAPRINT® shellac color for mixing individual colours or for marking lettering.



LUXAPRINT® SHELLAC COLOR

COLOURED SEALING:
ITE SHELLS
IN-EAR-MONITORING
EARMOULD
HEARING PROTECTION

Light curing lacquer for permanent coloured sealing of 3D printed earmoulds made of (meth)acrylate.

Colours: blue, brown, yellow, green, orange, red, black, violet
Medical Device Class IIa

- Colours freely mixable
- Long-term colour stable
- Extended colour stability
- Scratch-proof
- Very low viscosity



blue	50 ml	03701	100 ml	03683
brown	50 ml	03995	100 ml	03994
yellow	50 ml	03702	100 ml	03684
green	50 ml	03705	100 ml	03678
orange	50 ml	03703	100 ml	03685
red	50 ml	03700	100 ml	03682
black	50 ml	03857	100 ml	03856
violet	50 ml	03704	100 ml	03686



**FREELY
MIXABLE**

Transparent earmoulds can be simultaneously sealed with a high-gloss finish and permanently colour-coated. The surface is protected and has long-term colour stability.

Skin tones unlimited: All colours are individually mixable. As a result, any desired skin tone can be achieved. There are no limits to the colour wishes.



Easy to process (dip/brush). Creates a homogeneous, scratch-resistant, easy-to-clean surface and reduces cerumen adhesion.



LUXAPRINT® FLEX

SWIM PLUGS
HEARING PROTECTION
EARMOULDS
IN-EAR-MONITORING

LUXAPRINT® FLEX: Light-curing formulation for 3D printing of soft, massive earmoulds.

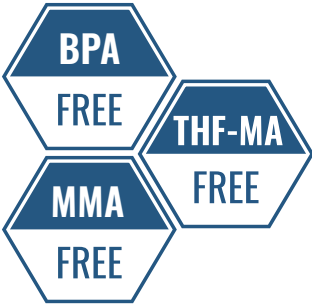
LUXAPRINT® FLEX coat: UV curing one component lacquer for sealing of 3D printed hard and soft earmoulds.

Colour: clear

Wavelength: 385 nm

Medical Device Class IIa

- Permanently soft
- Memory effect
- High impact resistance
- Fast elastic recovery

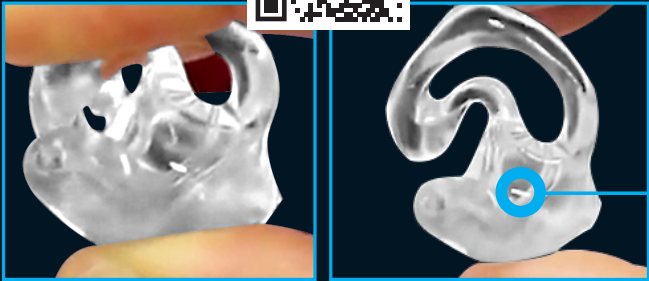


Property	Standard	Unit measurement	Result	
Tensile strength	DIN EN ISO 527-1 ¹⁾	MPa	> 8	> 8
Elongation	DIN EN ISO 527-1 ¹⁾	-	> 60 %	> 60 %
Tear strength	DIN ISO 34-1 ²⁾	N/mm	> 35 without LUXAPRINT® flex coat	> 45 with LUXAPRINT® flex coat
Hardness	-	Shore A	> 90 at room temperature	> 70 at body temperature
Biocompatibility	DIN EN ISO 10993-1 ³⁾	-	complies	

¹⁾Plastics: Determination of flexural properties (in accordance with the norm at room temperature)
²⁾Rubber, vulcanized or thermoplastic: Determination of tear strength (in accordance with the norm at room temperature)
³⁾Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process

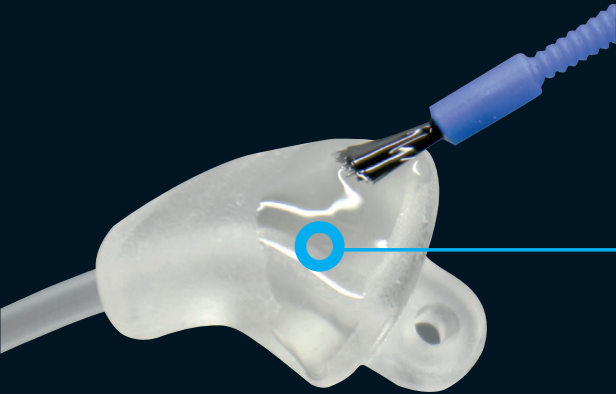
04246	LUXAPRINT® FLEX	500 g
04245	LUXAPRINT® FLEX	1.000 g
04247	LUXAPRINT® FLEX coat*	100 ml

* not MMA-free



Thanks to the memory effect, the earmould returns to its original shape after deformation, retaining the dimensions.

Earmoulds printed with LUXAPRINT® FLEX guarantee a natural feel: rigid at room temperature, flexible and supple at body temperature.



The permanently soft sealing with LUXAPRINT® FLEX coat improves tear resistance and impact strength and protects the flexible earmold from dirt and cerumen adhesion.



LUXAPRINT® COCOON

CASTINGS/CASTING MOULDS

Light-curing formulation for 3D printing of soft elastic, transparent cast forms, manufacturing of silicone earmoulds.

Colour: clear-transparent
Wavelength: 385 nm
Technical Product

- Flexible and stable in form
- Easy to remove
- No sticking to the form
- Common VPS silicones

BPA
FREE

THF-MA
FREE

MMA
FREE

36
MONTHS

TEC

eco

PREMIUM
FORMULA

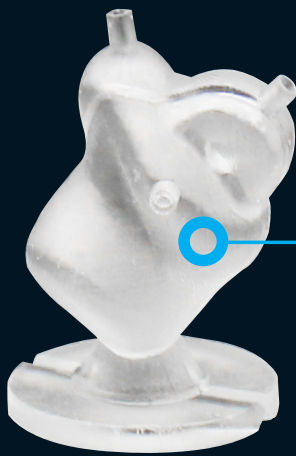
Property	Standard	Unit measurement	Result
Tensile strength	DIN EN ISO 527-1 ¹⁾	MPa	> 7
Tear strength	DIN ISO 34-1 ²⁾	N/mm	> 30
Hardness	-	Shore A	> 90

¹⁾ Plastics: Determination of flexural properties (in accordance with the norm at room temperature)
²⁾ Rubber, vulcanized or thermoplastic: Determination of tear strength (in accordance with the norm at room temperature)

03031
03326

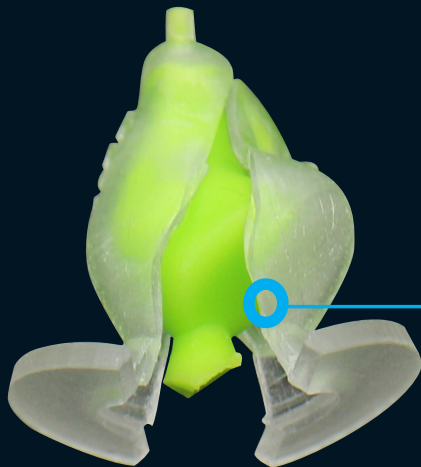
clear-transparent
clear-transparent

1.000 g
5 kg



Fast peel-off – quick removal of the blank: No adhesion of silicone to the cast form; no additional separator necessary.

The transparent cast form made of LUXAPRINT® COCOON allows visual control of the filling process; air pockets are avoided.



Due to the predetermined tear line and the flexible material properties, the earmould can be demolded without tools. This prevents formation of sharp-edged fragments that could damage the silicone earmould. The nominal tear line can be easily created directly in the design software (3shape, Cyfex).



LUXAPRINT® CAST 2.0

CASTINGS/CASTING MOULDS

Light-curing formulation for 3D printing of hard cast forms, manufacturing of silicone earmoulds or polyurethane earmoulds.

Colour: green-transparent

Wavelength: 385 nm

Technical Product

- Easy to break
- Predefined brittleness
- Low viscosity
- „easy peel off“ with Cast Separator 2.0



Property	Standard	Unit measurement	Result
Flexural strength	DIN EN ISO 178 ¹⁾	MPa	> 75
Flexural modulus	DIN EN ISO 178 ¹⁾	MPa	> 2300
Hardness	-	Shore D	> 85

¹⁾ Plastics: Determination of flexural properties (in accordance with the norm at room temperature)

03918
03327

green-transparent
green-transparent

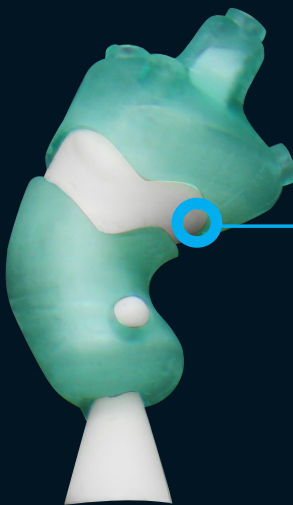
1.000 g
5 kg



Highest process reliability and production precision with minimum wall thickness.



The high stability of the material enables production of very thin-walled cast forms. The transparency enables visual control of the filling process.



Effortless break-up of the cast form due to defined brittleness and easy peel-off when using the cast separator, especially for more complicated structures.



CAST SEPARATOR 2.0

SEPARATING AGENT FOR CASTINGS/CASTING MOULD

Separating agent for an effective isolation of 3D printed cast forms against VPS or A-silicone.

Colour: transparent
Technical Product



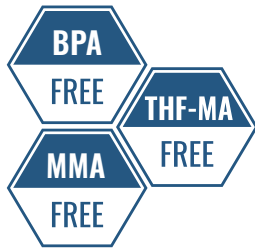
03636 Cast Separator 2.0 500 ml

CAST SEPARATOR PU

SEPARATING AGENT FOR CASTINGS/CASTING MOULD

Separating agent for an effective isolation of 3D printed cast forms against thermoplastic polyurethane.

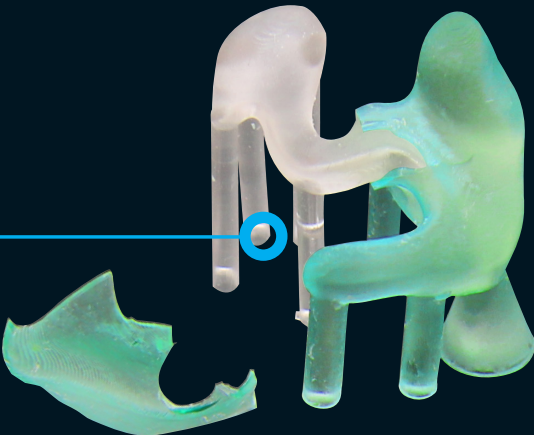
Colour: transparent
Technical Product



04142 Cast Separator PU 500 ml



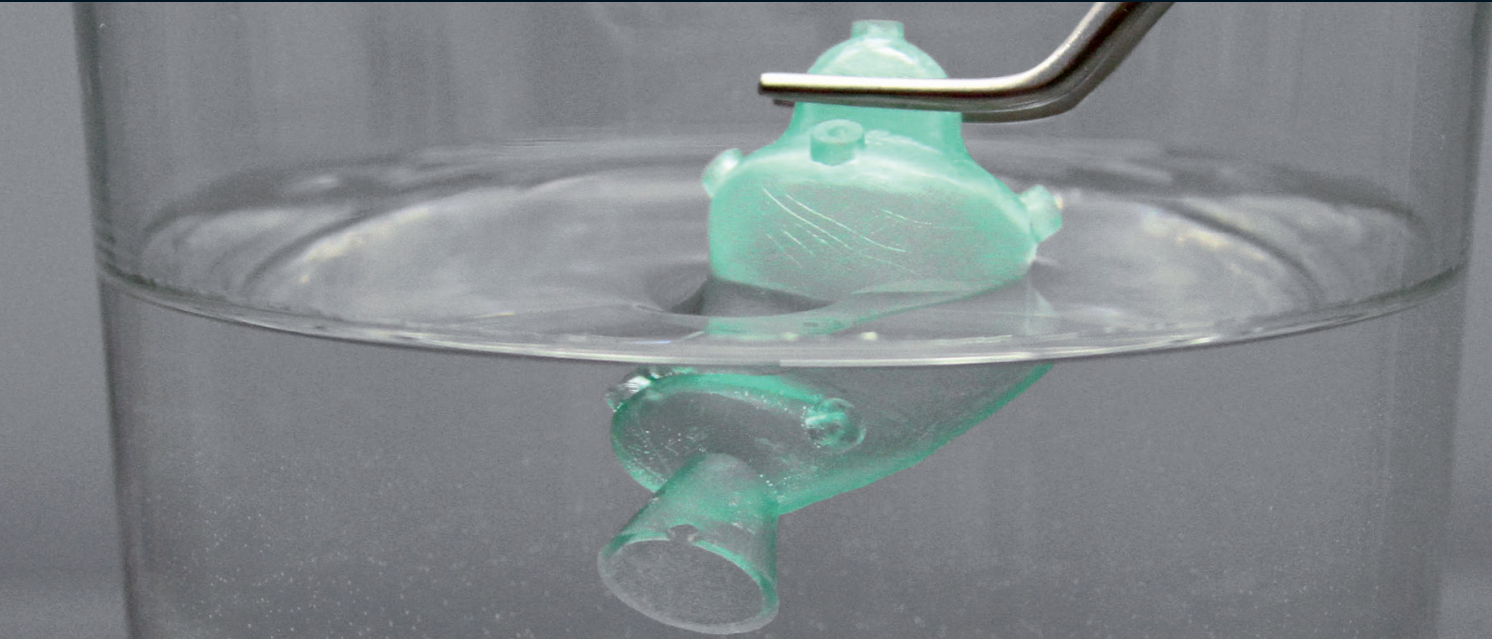
Provides a durable and safe insulating layer for the additively manufactured cast forms.



Effortless and easy demolding of the silicone and PU blank.



The ready-to-use immersion solution enables quick and easy application.













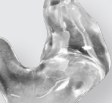







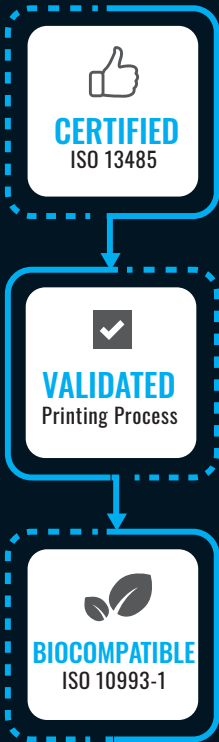
PROCESS VALIDATION PRINTERS



LUXAPRINT®

MEDICALPRINT®

Qualification <input checked="" type="checkbox"/> Done <input type="checkbox"/> In process	 ASIGA MAX Max / Mini	 ASIGA Pico2	 ASIGA PRO2	 ASIGA PRO 4K	 MICROLAY Versus	 Miicraft Prime / Hyper Series	 Miicraft Ultra Series	 Rapid shape 20 / 30 Series	 Rapid shape 40 Series	 Rapid shape 90 Series	 W2P
LUXAPRINT® MOULD 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LUXAPRINT® SHELL 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LUXAPRINT® FLEX 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LUXAPRINT® COCOON 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LUXAPRINT® CAST 2.0 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MEDICALPRINT® MOULD 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MEDICALPRINT® SHELL 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MEDICALPRINT® NOBREAK 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



CERTIFIED
VALIDATED
RELIABLE

Only the combination of high-performance resins with scientifically based expert knowledge from all areas of the digital workflow leads to cumulated expertise, to truly innovative products, and thus to an unlimited choice of materials. DETAX 3D materials are validated for all standard DLP printers. Our validation portfolio is continuously being expanded with new materials and qualified printers. To this end, our experts check and document complete process sequences in accordance with the relevant standards and regulatory requirements. This ensures permanently reproducible results and constant product quality.

Digital workflow requires profound material competence and a close cooperation with the technology partners in order to perfectly match individual elements of the process chain. For transparency and process reliability, all instructions for use comprise an overview of validated printers, certified finishing equipment (post-exposure, cleaning, etc.) and detailed flow-charts of the manufacturing process.





Our expert team will support you with useful tips.

PROCESS VALIDATION CURING DEVICES

LUXAPRINT®

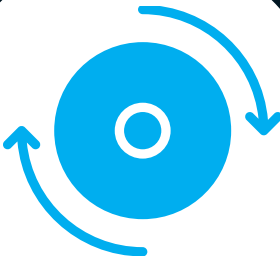
Qualification										
										
LUXAPRINT® MOULD		✓	✓	□	□	□	□	●	●	●
		✓	✓	□	✓	□	□	●	●	●
LUXAPRINT® SHELL		✓	✓	✓	✓	□	□	●	●	●
		✓	✓	✓	✓	□	□	●	●	●
LUXAPRINT® FLEX		✓	✓	✓	✓	□	□	●	●	●
LUXAPRINT® COCOON		✓	✓	✓	✓	□	✓	✓	✓	✓
LUXAPRINT® CAST 2.0		✓	✓	✓	✓	□	✓	✓	✓	✓

MEDICALPRINT®

MEDICALPRINT® MOULD		✓	✓	✓	□	□	□	●	□	●
MEDICALPRINT® SHELL		✓	✓	✓	□	□	□	●	□	●
		✓	✓	✓	□	□	□	●	□	●
		✓	✓	✓	●	□	●	●	●	●
MEDICALPRINT® NOBREAK		□	□	□	●	□	●	●	●	●

edition: 06.10.23

GOOD TO KNOW ...



BOTTLE ROLLER

By using a bottle roller, optimum mixing of the material is achieved, thus preventing possible segregation. The Eco Bags can be homogenized with an appropriate attachment.



CLEANING

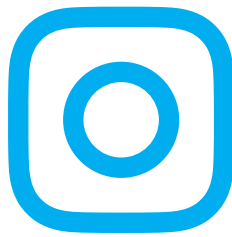
Best cleaning results of the production jobs are achieved when the pre- and post-cleaning are carried out in separate tanks in the ultrasonic unit. After cleaning with isopropanol, it is recommended to clean the bores/ openings with compressed air.



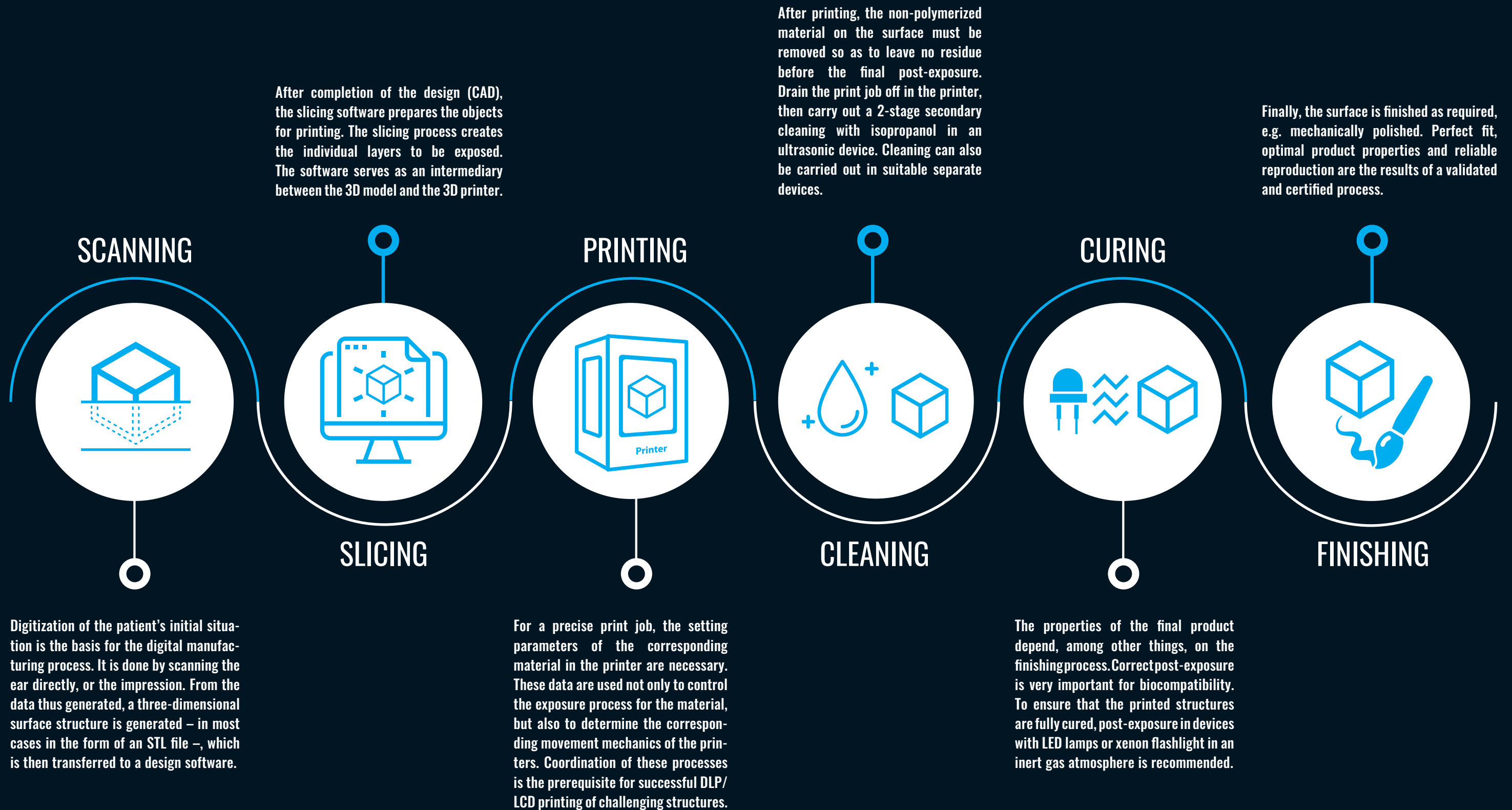
POST-CURING UNIT

The post-curing units recommended in the instructions for use ensure optimum through-hardening and surface curing, thus a biocompatible end product, and ensure high color brilliance and transparency, without discoloration.

DETA EXPERTS@



3D WORKFLOW



#HELLO ECOBAG



In addition to the 1-kg standard bottles, many LUXAPRINT® and MEDICALPRINT® materials will in future be offered in practical 5 kg Eco Bags. The bags are perfect for frequent users and are handy to use: The 2 handles (top and bottom) make it easy to fill the printer tray. Highly pigmented materials can be homogenized with a roller mixer (with appropriate attachment). The empty bag can be rolled up to a tiny ball, thus taking up much less waste volume and significantly reducing plastic waste. **NEW: Volume indicator** on each item. The weight indicates how many more objects can be printed.



CERTIFICATION



All LUXAPRINT® and MEDICALPRINT® Class IIa printing resins have been MDR-certified since October 2020. Thus, DETAX 3D materials are among the first in the industry with MDR certification.

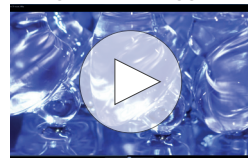
All DETAX 3D Premium printing materials have a shelf life of 36 months and can be used during this period without any loss of quality in the printing process.

PRODUCT VIDEOS

MEDICALPRINT® NOBREAK



LUXAPRINT® MOULD



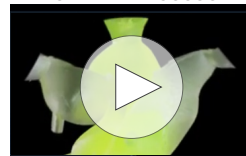
LUXAPRINT® FLEX



LUXAPRINT® SHELLAC COLOR



LUXAPRINT® COCOON



LUXAPRINT® CAST



CAST SEPARATOR



DETAX SOFTWARE®





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