



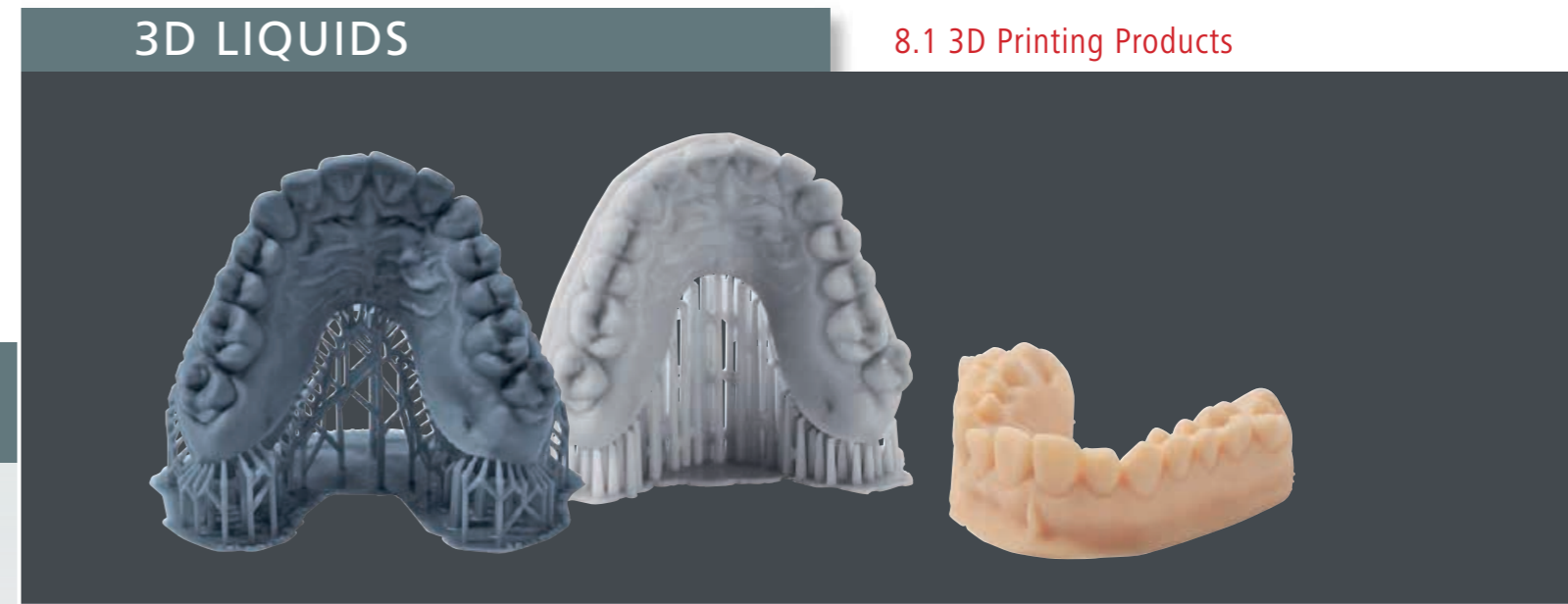


3D LIQUIDS

	Areas of application	MDC*	Color	Viscosity	Flexural strength	Module of elasticity	Glass transition	Vickers hardness	Wave-length	Layer thickness
 MOR-PRINT Proto	• 3D printed objects of all kinds	-	• clear • cobalt-blue • black**	920 ± 100 mPa·s	108 ± 4 MPa	3000 ± 100 MPa	93 °C	-	385 nm	25 µm 50 µm 100 µm
 MOR-PRINT Cast	• Cast objects of all kinds	-	• purple	1000 ± 200 mPa·s	104 ± 3 MPa	2900 ± 200 MPa	86 °C	-	385 nm	25 µm 50 µm 100 µm
 MOR-PRINT Model	• Models • Model stumps • Models for splints and functional models	-	• ash-gray • taupe-gray • smoky-black** • sand	950 ± 100 mPa·s	68 ± 2 MPa	1600 ± 100 MPa	-	-	385 nm	25 µm 50 µm 100 µm
 MOR-PRINT Tray	• Individual functional trays and impression trays • Bite registrations • Transfer keys • Base plates	I	• aqua • hot-pink	900 ± 100 mPa·s	116 ± 10 MPa	2900 ± 300 MPa	91 °C	20 ± 1 HV0,2	385 nm	50 µm 100 µm 150 µm



Production of Models

MOR-PRINT Model

Opaque, light- and moisture-stable, light-curing 3D printing resin for the production of very precise, true-to-detail master, stump and / or functional models with finest and smooth surface structure.

Without fillers & pigments

High Precision

Product benefits

- ✓ Very dimensionally stable, precisely grindable
- ✓ Preparation lines optimally visible through opacity
- ✓ High construction precision - for an excellent fit of model stumps
- ✓ High efficiency - thanks to the low-viscosity setting of the resin for lower material consumption and short post-processing

Areas of application

- Models
- Model stumps
- Models for splints and functional models

Material properties

Property	Value	Test Method
Acrylate mixture		
Viscosity	950 ± 100 mPa·s	ISO 3219
End product		
Flexural strength	68 ± 2 MPa	ISO 178
Modulus of elasticity	1600 ± 100 MPa	ISO 178

DELIVERY FORM	COLOR	REF
1000 g	• ash-gray	Order no. DH000 853 NB-814
1000 g	• sand	
**planned		Order no. DH000 853 NB-801

Printer compatibility overview

MOR-PRINT 3D printing liquids are generally compatible with DLP printers with a wavelength of 385 nm. Print parameters are available for the following printers.

	MOR-PRINT Proto	MOR-PRINT Cast	MOR-PRINT Model	MOR-PRINT Tray	MOR-PRINT Surgical Guide (soon)	MOR-PRINT Surgical Guide HT (soon)	MOR-PRINT Splint (soon)	MOR-PRINT Splint flex (soon)
Carima IMD	✓	✓	✓	✓	✓	✓	✓	✓
W2P SolFlex / SolLab	✓	✓	✓	✓	✓	✓	✓	✓
VOCO SolFlex 650 / 350 / 170	✓	✓	✓	✓	✓	✓	✓	✓
Rapid Shape D20+ / D30+	○	✓	✓	✓	✓	✓	✓	✓
Asiga Pico / PRO / MAX / PRO 4K	✓	✓	○					
Ack uretta FreeShape 120	✓	✓	✓	✓	✓	✓	✓	✓
DEKEMA trix print ²	✓	✓	✓	✓	✓	✓	✓	✓

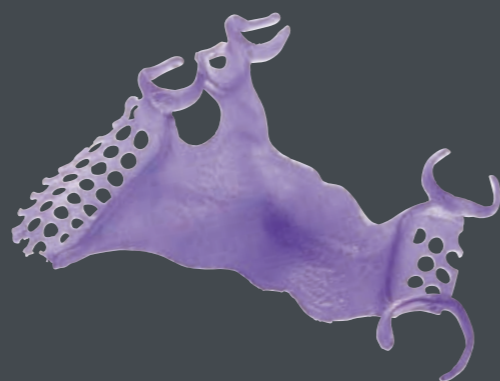
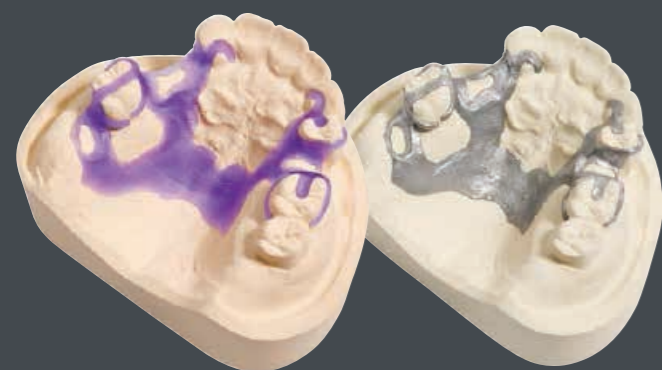
○Parameters under evaluation



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Designed for tray-based photopolymerisation at 385 nm



Cast Objects

MOR-PRINT Cast

Burn-out, light-curing acrylate-based premium resin for the additive manufacturing of objects in the press and model casting technique.



Product benefits

- ✓ Burns-out without residue (< 0.1%), even with large volume parts
- ✓ Warp-free, even with large-volume (voluminous) objects
- ✓ Matched to phosphate-bonded investment materials
- ✓ High strength, shape and edge stability, best drawing accuracy for filigree structures
- ✓ The finest structures thanks to layer thicknesses of up to 25 µm - precise reproduction with the finest surface structure

Areas of application

- Cast objects of all kinds
- Applicable in the conventional as well as in the speed casting process for press ceramics e.g. veneers, inlays or onlays

Material properties

Property	Value	Test Method
Acrylate mixture		
Viscosity	1000 ± 200 mPa·s	ISO 3219
End product		
Flexural strength	104 ± 3 MPa	ISO 178
Modulus of elasticity	2900 ± 200 MPa	ISO 178
Glass transition	86 °C	ISO 11357
Ash content	< 0,1 %	ISO 3451-1*

DELIVERY FORM
1000 g

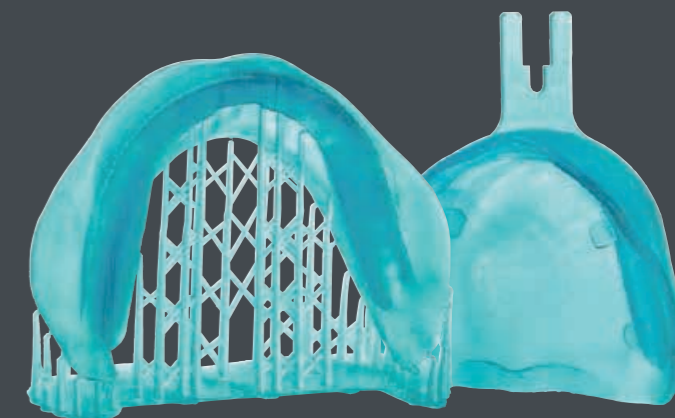
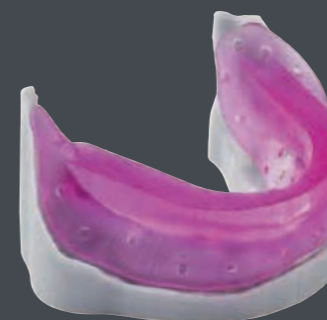
COLOR
• purple

REF
Order no. DH000 853 NB-815

*based on



Designed for tray-based photopolymerisation at 385 nm



Individual Impression Trays

MOR-PRINT Tray

Light-curing, bio-compatible 3D printing resin for the production of individual functional trays and impression trays, bite registration, transfer keys and base plates.



Product benefits

- ✓ Biocompatibility tested according to EN ISO 10993-1
- ✓ High dimensional stability and warp resistance for exact, distortion-free impressions
- ✓ Odorless and tasteless
- ✓ Retention holes can be planned in advance in the CAD modeling
- ✓ Effective, as it is optimised for high printing speeds and high layer thicknesses of up to 150 µm

Areas of application

- Individual functional trays and impression trays
- Bite registrations
- Transfer keys
- Base plates

Material properties

Property	Value	Test Method
Acrylate mixture		
Viscosity	900 ± 100 mPa·s	ISO 3219
End product		
Flexural strength	116 ± 10 MPa	ISO 10477
Modulus of elasticity	2900 ± 300 MPa	ISO 10477*
Glass transition	91 °C	ISO 11357
Vickers hardness	20 ± 1 HV0,2	ISO 6507-1*

DELIVERY FORM
1000 g
1000 g

COLOR
• aqua
• hot-pink

REF
Order no. DH000 853 NB-800
Order no. DH000 853 NB-804

*based on



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