

PRECISA 780

Technical Data Sheet

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PRECISION AT THE HIGHEST RESOLUTION

PRECISA 780 is a photosensitive rigid opaque material for DWS stereolithography 3D printers, developed for the production of prototypes, toys, miniatures, high detailed models, gadgets, marketing samples and patterns for silicone molds.

In the dental field it is particularly appreciated for models with removable dies and implant models with analogues, thanks to its good fitting, dimensional stability and detailed surfaces.

THE PRECISA SERIES

The Precisa series includes all the materials suitable for the production of models for rubber moulding and models for rapid prototyping of industrial and concept models. Precisa 780, together with all Precisa materials, were developed to be used on DWS 3D printers.

TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Light Grey
Viscosity	1500 ~ 2200 mPa*s at 25°C
Density	1,12 g/cm ³

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	6 ~ 7
Surface Hardness (ShoreD)	82 ~ 85
Tensile Strength (MPa)	35 ~ 45
Tensile Modulus (MPa)	1700 ~ 2000
Flexural Strength (MPa)	60 ~ 80
Flexural Modulus (MPa)	1500 ~ 1850
HDT@ 0,46 MPa	48 ~ 53
Application / Use	Functional Prototypes, Highly Detailed Models

HINTS FOR THE DESIGN

PRECISA 780 is suitable both for thin and thick models. It can be used also to make rubber moulds and dental models.

Models made of PRECISA 780 are extremely smooth and precise.

FEATURES

- Smooth Surfaces
- High Accuracy
- High Resolution

Technical specification subject to change without notice.

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