

PRECISA 779

Technical Data Sheet

TDS EN_PRECISA779_102019



PRECISION AT THE HIGHEST RESOLUTION

PRECISA 779 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.

HINTS FOR THE DESIGN

PRECISA 779 is suitable both for thin and thick models. It can be used also to make rubber moulds. Models made of PRECISA 779 are extremely smooth and precise.

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. These materials are extremely accurate and precise and were developed in-house by DWS.

FEATURES

- Smooth Surfaces
- High Resolution and Precision
- High Accuracy

TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Light Grey
Viscosity	1700 ~ 2600 mPa•s at 25°C
Density	1,14 g/cm ³

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	3 ~ 5
Surface Hardness (Shore D)	87 ~ 90
Tensile Strength (MPa)	35 ~ 55
Tensile Modulus (MPa)	1850 ~ 2600
Flexural Strength (MPa)	80 ~ 125
Flexural Modulus (MPa)	2100 ~ 3250
HDT@0,46 MPa	53 ~ 58
Application / Use	Functional Prototypes, Highly Detailed Models

Technical specification subject to change without notice.

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