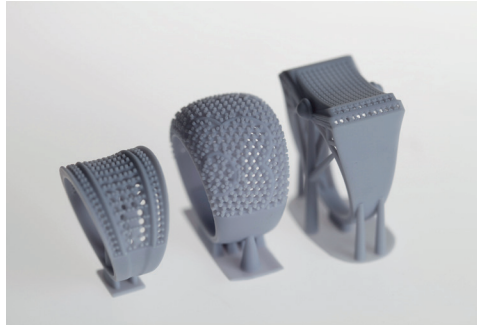
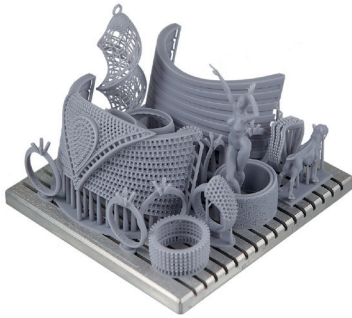


PRECISA DL260

Technical Data Sheet

TDS EN_PRECISADL260_052018



THE NANO-FILLED CERAMIC MATERIAL

PRECISA DL260 is a nano-filled ceramic resin developed for rubber moulding applications, including VLT, liquid silicones and vulcanized rubber at medium-low temperatures (max. 90°C).

THE PRECISA SERIES

The Precisa series includes all the materials suitable for rubber moulding of jewellery models and they are in-house developed by DWS.

PRECISA DL260, along with the materials of the Precisa Series, was developed exclusively for DWS range 3D printers.

ADVICE FOR DESIGN

PRECISA DL260 is a photosensitive material for DWS stereolithography 3D printers, suitable both for thin and thick models. It can be used to make rubber moulds with liquid silicones and rubber vulcanized at a maximum temperature of 90°C. Models made of PRECISA DL260 resin can be removed easily from the rubber mould and they can also be broken, allowing to carry out some difficult cuts that would not be possible with a metal model.

PRECISA DL260 delivers extremely smooth surfaces and exceptionally precise and sharp details.

FEATURES

- Smooth Surfaces
- High Accuracy
- High Resolution
- No further manual finishing needed

TECHNICAL CHARACTERISTICS OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Grey
Viscosity	1600 ~ 2400 mPa*s at 25°C
Density	1,29 g/cm ³

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Surface Hardness (Shore D)	86 ~ 91
Flexural Strength (MPa)	50 ~ 65
Flexural Modulus (MPa)	1300 ~ 2800
Elongation at Break(%)	2 ~ 6
Tensile Strength (Mpa)	25 ~ 40
Tensile Modulus (Mpa)	1350 ~ 2700
HDT@1,81MPa	45 ~ 62
Application/Use	Rubber master models

Technical specification subject to change without notice.

DWS srl

Via della Meccanica 21 - 36016 Thiene (VI) - Italy

T: +39 0445 810810 - E: info@dwssystem.com - I: www.dwssystem.com

