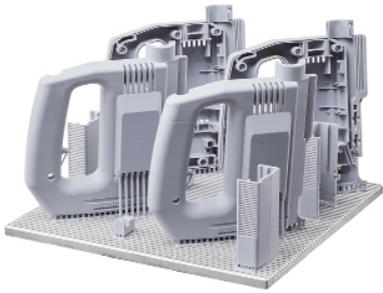


# PRECISA DL260

## Technical Data Sheet

TDS\_EN\_PRECISADL260\_102019



### THE NANO-FILLED CERAMIC RESIN

PRECISA DL260 is a photosensitive nano-filled ceramic material for DWS stereolithography 3D printers, developed for rubber moulding applications, including VLT, liquid silicones and vulcanized rubber at medium-low temperatures (max. 90°C). Thanks to its accuracy it allows to build also prototypes, concept models and mock up models.

### THE PRECISA SERIES

The Precisa series includes all the materials suitable for the production of models for rubber moulding and for rapid prototyping of industrial and concept models. These materials are extremely accurate and precise and were developed in-house by DWS.

### TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Opaque Grey
Density	1.29 g/cm <sup>3</sup>
Viscosity	1600 ~ 2400 mPa*s at 25°C

### TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	2 ~ 6
Surface Hardness (Shore D)	86 ~ 91
Tensile Strength (MPa)	25 ~ 40
Tensile Modulus (MPa)	1350 ~ 2700
Flexural Strength (MPa)	50 ~ 65
Flexural Modulus (MPa)	1300 ~ 2800
HDT@0,46MPa	50 ~ 82
Application / Use	Rubber Master Models

### HINTS FOR THE DESIGN

PRECISA DL260 is suitable both for thin and thick models. It can be used to make rubber moulds with liquid silicones and vulcanized rubber at a maximum temperature of 90°C. Models made of PRECISADL260 can be easily removed from the rubber mould and they can also be broken, allowing to carrying out some difficult cuts that would not be possible, otherwise, with a metal model. PRECISA DL260 delivers extremely smooth surfaces and exceptionally precise and sharp details.

### FEATURES

- Smooth Surfaces
- High Resolution and Precision
- High Accuracy

Technical specification subject to change without notice.

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