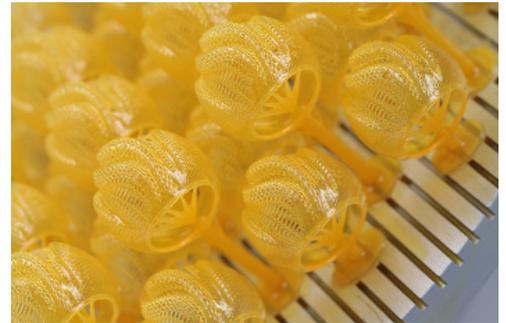


FUSIA 444

Technical Data Sheet

TDS EN_FUSIA444_102019



HIGH RESOLUTION EASY TO BURN OUT

FUSIA 444 was developed for direct casting of jewellery models. FUSIA 444 allows the building of detailed parts with high quality resolution, accuracy, smooth and thin surfaces, and does not require any other manual finishing. It is easy to burn out with standard investments.

THE FUSIA SERIES

The Fusia series includes all the materials suitable for direct casting for jewellery and they are in-house developed by DWS. FUSIA 444 was developed expressly for DWS XFAB range 3D printers.

HINTS FOR DESIGN

FUSIA 444 is a photosensitive material for DWS stereolithography 3D printers, suitable for direct casting of detailed thin and solid models.

FEATURES

- Smooth Surfaces
- Filigree and Fine Details
- Easy to Burn Out
- High Accuracy
- No further manual finishing needed
- Yellow Colour

TECHNICAL CHARACTERISTICS OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Yellow
Viscosity	300 ~ 600 mPa*s at 25°C
Density	1,08 g/cm ³

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Surface Hardness (Shore D)	56 ~ 63
Flexural Strength (MPa)	10 ~ 16
Flexural Modulus (MPa)	240 ~ 270
Elongation at Break(%)	6 ~ 11
Tensile Strength (Mpa)	6 ~ 13
Tensile Modulus (Mpa)	120 ~ 290
HDT@1,81MPa	31 ~ 34
Application / Use	Direct casting

Technical specification subject to change without notice.

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