

FUSIA 445

Technical Data Sheet

TDS_EN_FUSIA445_102019



HIGH RESOLUTION EASY TO BURN OUT

FUSIA 445 was developed for direct casting of jewellery models. FUSIA 445 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.

HINTS FOR DESIGN

FUSIA 445 is a photosensitive material for DWS stereolithography 3D printers, suitable for direct casting of detailed thin and solid models.

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 445 was developed expressly for DWS XFAB range 3D printers and for XPRO Q, for the print of clusters with Nauta Plus module "XCluster".

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, XCluster

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

