

FUSIA DC500

Technical Data Sheet

Review: 19th February 2018



RESIN FOR STONE SETTING AND PAVE'

FUSIA DC500 was developed for the realization of jewellery models for direct casting. FUSIA DC500 allows the building of detailed parts with high quality resolution and smooth surfaces which do not require any other manual finishing. It is the ideal material also for stones pre-setting and micropavè.

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 DC500, along with the materials of the Fusia Series, was developed exclusively for DWS jewellery range 3D printers.

HINTS FOR DESIGN

FUSIA DC500 is a photosensitive material for DWS stereolithography 3D printers, suitable for direct casting of smooth and detailed jewellery models.

FEATURES

- Smooth surfaces
- Detailed models
- Solid design
- Easy to burn out
- High accuracy
- No further manual finishing needed
- White colour

TECHNICAL CHARACTERISTICS OF THE LIQUID MATERIAL

| | |
|------------------------------|---------------------------------|
| Environmental values for use | 22°C - 27°C - max, RH 40% - 60% |
| Appearance/colour | Liquid/Light Green |
| Viscosity | 400-600 mPa·s at 25°C |

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV POST-CURING

| | |
|-------------------------|----------------|
| Hardness (Shore D) | 48 |
| Flexural Strength (MPa) | 5.2 |
| Flexural Modulus (MPa) | 95 |
| Application/Use | Direct casting |

Technical specification subject to change without notice.

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