

# INVICTA 917

## Technical Data Sheet

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### THE ABS-LIKE MATERIAL

INVICTA 917 is a photosensitive ABS-like material for DWS stereolithography 3D printers, developed for high definition functional prototypes, casings, snap-fit parts, assembly applications and dental models. It is long lasting and resistant to high impact.

### THE INVICTA SERIES

The Invicta series includes all the materials suitable for the production of prototypes and functional parts. These materials are extremely accurate and precise and were developed in-house by DWS.

### HINTS FOR THE DESIGN

INVICTA 917 is suitable both for thin and thick models. It is the ideal material to obtain smooth and precise models in grey colour.

### FEATURES

- Smooth Surfaces
- High Resolution and Precision
- High Accuracy

### TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Grey
Viscosity	1700 ~ 2500 mPa*s at 25°C
Density	1,04 g/cm <sup>3</sup>

### TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	2 ~ 7
Surface Hardness (Shore D)	81 ~ 83
Tensile Strength (MPa)	30 ~ 50
Tensile Modulus (MPa)	1350 ~ 2400
Flexural Strength (MPa)	60 ~ 95
Flexural Modulus (MPa)	1500 ~ 2200
HDT@0,46 MPa	55 ~ 59
Application / Use	Prototyping, Functional Parts

Technical specification subject to change without notice.

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