

# INVICTA 907

## Technical Data Sheet

TDS\_EN\_INVICTA907\_112020



### THE ABS-LIKE MATERIAL

INVICTA 907 is a photosensitive ABS-like material for DWS stereolithography 3D printers, designed to produce prototypes, concept models and mock up models.

The material is impact resistant and long-lasting and resistant to thermal stress.

### THE INVICTA SERIES

The Invicta series includes all the materials suitable for the rapid prototyping of industrial and concept models. These materials are extremely accurate and precise and were developed to be used on DWS 3D printers.

### HINTS FOR THE DESIGN

INVICTA 907 is the ideal material also for dental models and orthodontic arches. The opaque dark grey colour gives depth and detail to the surfaces.

### FEATURES

- Smooth Surfaces
- High Resolution and Accuracy
- High Accuracy
- Heat Resistant
- . Very short printing times and costs

### TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Matt Dark Grey
Density	1,02 g/cm <sup>3</sup>
Viscosity	800 ~ 1100 mPa•s at 25°C

### TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	6 ~ 8
Surface Hardness (ShoreD)	86 ~ 87
Tensile Strength (MPa)	40 ~ 55
Tensile Modulus (MPa)	1750 ~ 2100
Flexural Strength (MPa)	75 ~ 105
Flexural Modulus (MPa)	1900 ~ 2500
HDT@ 0,46 MPa	50 ~ 54
Application / Use	Rapid Prototyping, Functional Prototypes, Dental Models

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

