

# INVICTA DL380

## Technical Data Sheet

TDS EN\_INVICTADL380\_102019



### THE RESISTANT MATERIAL

INVICTA DL380 is a photosensitive material developed for general applications, industrial design and for the realization of functional parts, aesthetic mock up and design models. The material is resistant and long lasting.

It is available also in white colour (INVICTA DL390).

### 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 for DWS 3D printers.

### HINTS FOR THE DESIGN

INVICTA DL380 is suitable to produce functional parts. The models made of INVICTA DL380 are strong and slightly flexible.

### 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 / Black
Viscosity	2000 ~ 3000 mPa•s at 25°C
Density	1,08 g/cm <sup>3</sup>

### TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	7 ~ 14
Surface Hardness (Shore D)	82 ~ 83
Tensile Modulus (MPa)	720 ~ 1200
Tensile Strength (MPa)	25 ~ 35
Flexural Strength (MPa)	50 ~ 65
Flexural Modulus (MPa)	1050 ~ 1400
HDT@0,46MPa	45 ~ 49
Application / Use	Prototyping, Functional Parts

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

