

# INVICTA DL380

## Technical Data Sheet

TDS\_EN\_INVICTADL380\_052018



### 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.

### HINTS FOR THE DESIGN

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

### 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.

### 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@1,81MPa	46 ~ 50
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

