

# INVICTA DL390

## Technical Data Sheet

TDS EN\_INVICTADL390\_052018



### THE RESISTANT MATERIAL

INVICTA DL390 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 DL390 is suitable to produce functional parts. The models made of INVICTA DL390 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 / White
Viscosity	1650 ~ 2500 mPa•s at 25°C
Density	1,08 g/cm <sup>3</sup>

### TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	14 ~ 16
Surface Hardness (Shore D)	71 ~ 75
Tensile Modulus (MPa)	360 ~ 600
Tensile Strength (MPa)	15 ~ 22
Flexural Strength (MPa)	25 ~ 40
Flexural Modulus (MPa)	370 ~ 780
HDT@1,81MPa	40 ~ 44
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@dwssystems.com - I: www.dwssystems.com

