

# INVICTA DL390

## Technical Data Sheet

TDS EN\_INVICTADL390\_102019



### 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.

It is available also in black colour (INVICTA DL380).

### 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 DL390 is suitable to produce functional parts.

The models made of INVICTA DL390 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 / 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@0,46MPa	42 ~ 46
Application / Use	Prototyping, Functional Parts

Technical specification subject to change without notice.

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