

INVICTA DL385

Technical Data Sheet

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THE RESISTANT MATERIAL

INVICTA DL385 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 particularly resistant.

It is available also in white colour (INVICTA DL395).

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 DL385 is suitable to produce functional parts.

The models made of INVICTA DL385 are strong and slightly flexible.

FEATURES

- Smooth Surfaces
- High Resolution and Precision
- High Accuracy
- Resistant
- Slightly flexible

TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Black
Density	1.02 g/cm ³
Viscosity	1650 - 2500 mPa*s at 25°C

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	11 ~ 25
Tensile Strength (MPa)	25 ~ 40
Tensile Modulus (MPa)	900 ~ 1800
Flexural Strength (MPa)	45 ~ 78
Flexural Modulus (MPa)	900 ~ 1800
Surface Hardness (ShoreD)	78 ~ 84
HDT@0,46 MPa	42 ~ 46
Application / Use	Rapid Prototyping, Functional Parts

Technical specification subject to change without notice.

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