

INVICTA AB001

Technical Data Sheet

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THE ABS-LIKE MATERIAL

INVICTA AB001 is a photosensitive material for DWS stereolithography 3D printers, designed to produce prototypes, concept models and mock up models.

The models made with INVICTA AB001 are strong and smooth: it is the ideal material to produce those parts needing high accuracy and precision.

It reproduces the same feelings of the injected ABS plastics.

It is available also in grey colour (INVICTA AB002).

THE INVICTA SERIES

The Invicta series includes all the materials suitable for the rapid prototyping of industrial and concept models. These materials are extremely resistant and developed in-house by DWS.

FEATURES

- Smooth Surfaces
- High Resolution
- High Accuracy

TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / White
Density	1,04 g/cm ³
Viscosity	650 ~ 950 mPa*s at 25°C

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	3 ~ 5
Surface Hardness (Shore D)	83 ~ 87
Tensile Strength (MPa)	25 ~ 45
Tensile Modulus (MPa)	1200 ~ 1950
Flexural Strength (MPa)	50 ~ 90
Flexural Modulus (MPa)	1420 ~ 2020
HDT@0,46MPa	47 ~ 51
Application / Use	Functional Prototypes

Technical specification subject to change without notice.

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