

INVICTA DL370

Technical Data Sheet

TDS EN_INVICTADL370_102019



THE CLEAR MATERIAL

INVICTA DL370 is a photosensitive material developed for general applications and industrial design, suitable for rapid prototyping and rapid manufacturing of functional parts.

THE INVICTA SERIES

The Invicta series includes all the materials suitable for the production of prototypes and functional parts. These materials are extremely accurate, precise and were developed in-house for DWS' 3D printers.

HINTS FOR THE DESIGN

INVICTA DL370 is suitable to produce functional parts and transparent objects.

FEATURES

- Smooth Surfaces
- Transparent
- 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 / Clear
Viscosity	1750 ~ 2600 mPa*s at 25°C
Density	1,08 g/cm ³

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	10 ~ 15
Surface Hardness (Shore D)	79 ~ 81
Tensile Strength (MPa)	18 ~ 28
Tensile Modulus (MPa)	500 ~ 990
Flexural Strength (MPa)	36 ~ 50
Flexural Modulus (MPa)	670 ~ 1130
HDT@0,46MPa	44 ~ 48
Application / Use	Prototyping, Clear 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

