

INVICTA DL360

Technical Data Sheet

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THE CLEAR MATERIAL

INVICTA DL360 is a photosensitive material developed for general purpose 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 and precise and were developed in-house by DWS.

HINTS FOR THE DESIGN

INVICTA DL360 is suitable to produce functional parts. The models made of DL360 are strong and slightly flexible.

INVICTA DL360 is the ideal material to produce those parts needing transparency features.

FEATURES

- Smooth Surfaces
- Transparent
- High Resolution and precision
- High Accuracy
- Slightly flexible

TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Clear
Viscosity	600 ~ 800 mPa*s at 25°C
Specific gravity	1,01 g/cm ³

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	2 ~ 6
Surface Hardness (Shore D)	84 ~ 88
Tensile Strength (MPa)	13 ~ 47
Tensile Modulus (MPa)	690 ~ 2200
Flexural Strength (MPa)	60 ~ 95
Flexural Modulus (MPa)	1300 ~ 2370
HDT@1,81MPa	48 ~ 67
Application / Use	Prototyping / Clear Functional Parts

Technical specification subject to change without notice.

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