

INVICTA 915

Technical Data Sheet

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THE ABS-LIKE MATERIAL

INVICTA 915 is a photosensitive ABS-like material for DWS stereolithography 3D printers, developed for high definition functional prototypes, casings, snap-fit parts and assembly applications. It is long lasting and resistant to high impact. INVICTA 915 is the ideal material also for dental models, and anatomical replicas for the creation of jaws for case study and diagnostics. The white colour is suitable for checking the bone structure and planning reconstruction interventions.

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 915 is suitable both for thin and thick models. It is the ideal material to obtain smooth and precise models in white colour.

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	1700 ~ 2500 mPa·s at 25°C
Density	1,04 g/cm ³

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	2 ~ 7
Surface Hardness (Shore D)	81 ~ 83
Tensile Strength (MPa)	30 ~ 50
Tensile Modulus (MPa)	1350 ~ 2400
Flexural Strength (MPa)	60 ~ 95
Flexural Modulus (MPa)	1500 ~ 2200
HDT@1,81MPa	52 ~ 63
Application / Use	Prototyping, Functional Parts

Technical specification subject to change without notice.

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