

THE ABS-LIKE MATERIAL

INVICTA 907 is a photosensitive ABS-like material for DWS stereolithography 3D printers, designed to produce prototypes, concept models and mock up models.

The material is impact resistant and long-lasting and resistant to thermal stress.

THE INVICTA SERIES

The Invicta series includes all the materials suitable for the rapid prototyping of industrial and concept models. These materials are extremely accurate and precise and were developed to be used on DWS 3D printers.

HINTS FOR THE DESIGN

INVICTA 907 is the ideal material also for dental models and orthodontic arches. The opaque dark grey colour gives depth and detail to the surfaces.

FEATURES

- Smooth Surfaces
- High Resolution and Accuracy
- High Accuracy
- Heat Resistant
- . Very short printing times and costs

TECHNICAL FEATURES OF THE LIQUID MATERIAL

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|------------------------------|---------------------------------|
| Environmental Values for Use | 22°C - 27°C - max, RH 40% - 60% |
| Appearance / Colour | Liquid / Matt Dark Grey |
| Density | 1,02 g/cm ³ |
| Viscosity | 800 ~ 1100 mPa•s at 25°C |

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

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|---------------------------|---|
| Elongation at Break (%) | 6 ~ 8 |
| Surface Hardness (ShoreD) | 86 ~ 87 |
| Tensile Strength (MPa) | 40 ~ 55 |
| Tensile Modulus (MPa) | 1750 ~ 2100 |
| Flexural Strength (MPa) | 75 ~ 105 |
| Flexural Modulus (MPa) | 1900 ~ 2500 |
| HDT@ 0,46 MPa | 50 ~ 54 |
| Application / Use | Rapid Prototyping, Functional Prototypes, Dental Models |

Technical specification subject to change without notice.

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