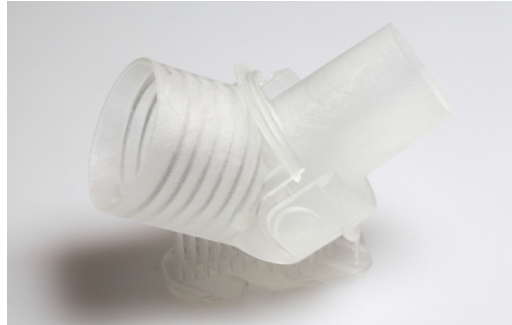


# INVICTA 977

## Technical Data Sheet

TDS\_EN\_INVICTA977\_102019



### THE PP-LIKE MATERIAL

INVICTA 977 is a photosensitive polypropilene-like material for DWS stereolithography 3D printers, developed for high definition functional prototypes, casings and snap-fit parts. It is long lasting and resistant and slightly flexible.

### 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 977 is suitable both for thin and thick models. It is the ideal material to obtain smooth and precise transparent models.

### FEATURES

- Smooth Surfaces
- 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 / Light Yellow Transparent
Viscosity	500 ~ 700 mPa·s at 25°C
Density	1,04 g/cm <sup>3</sup>

### TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	2 ~ 5
Surface Hardness (Shore D)	86 ~ 88
Tensile Strength (MPa)	35 ~ 45
Tensile Modulus (MPa)	1750 ~ 2150
Flexural Strength (MPa)	80 ~ 110
Flexural Modulus (MPa)	1850 ~ 2600
HDT@0,46MPa	52 ~ 56
Application / Use	Prototyping, Functional Parts

Technical specification subject to change without notice.

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