



THE MULTIPURPOSE MATERIAL

INVICTA 2020 is a photosensitive material developed for the printing of end-use products: from industrial design to the production of functional parts, it is also suitable for aesthetic mockups and prototypes. Uniqueness of touch feeling, the superlative aesthetic quality makes Invicta 2020 particularly suitable for the production of aesthetic parts subject to handling. The material is characterized by a high breaking strength and excellent heat resistance. It is available in white, black and anthracite grey.

THE INVICTA SERIES

The Invicta series includes all those materials suitable for the realization of prototypes and functional parts.

All DWS materials are developed and produced in their own establishments in Thiene (VI).

TECHNICAL FEATURES OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%			
Appearance / Colour	Liquid /	White	Black	Anthracite grey
Density		1.31	1.19	1.27

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Elongation at Break (%)	3 ~ 10
Tensile Strength (MPa)	40 ~ 75
Tensile Modulus (MPa)	2500 ~ 3600
Flexural Strength (MPa)	90 ~ 150
Flexural Modulus (MPa)	2600 ~ 4000
Surface Hardness (ShoreD)	90
HDT@ 0,46 MPa (°C)	60 ~ 95
Application / Use	End-use products, functional and aesthetic parts

HINTS FOR THE DESIGN

The models produced with INVICTA 2020 are characterized by a very smooth finish, suitable for producing prototypes or end-use parts without the need for manual finishing.

FEATURES

- Smooth surfaces, unique tactile feeling
- High resolution and precision
- High breaking strength
- Excellent thermal resistance

ADVICE FOR USE

A post heat treatment is recommended to obtain the maximum mechanical resistance.

Technical specification subject to change without notice.