



MATERIAL

Invicta 2020

Aesthetic and functional prototypes of superior aesthetic quality.



Formulated and manufactured by DWS

Invicta series

Invicta serie includes all those rigid and tough materials that must respond to high performance in both aesthetic and mechanical terms.

PRODUCT DESCRIPTION

Invicta 2020 is a material developed for the production of models with a very high surface quality. It is used both for prototyping where aesthetics is a key requirement and for small production series. It is also appreciated for the high precision of details including angles and undercuts, dimensional compliance and repeatability of the printed part.



High density
3D printed part



Extra-smooth
surfaces



Perfect
angles



Respect of
dimension



TPO-free version: **Invicta 2025**

Industry

Automation

Fashion

General
Manufacturing

University

Eyewear

Available colors

Name

Invicta 2020 White

Invicta 2020 Black

Invicta 2020 Grey

Technical characteristics of the liquid material

Viscosity	2500 ~ 3500 mPa·s at 25°C
Density	1,10 g/cm ³
Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Color	White: 1,31 g/cm ³ - Black: 1,19 g/cm ³ - Grey: 1,27 g/cm ³

Technical characteristics of the resin after UV curing

Invicta 2020	Technical Data
Elongation at Break (%)	10
Surface Hardness (Shore D)	90
Flexural Modulus (MPa)	2600
Flexural Strength (MPa)	90
Tensile Modulus	2500
Tensile Strength (MPa)	40
HDT @0,46MPa	60

Technical specifications are subject to change without notice. TDS_EN_INVICTA-2020 / Rev.01 / 02-2026