MATERIAL

Invicta DL380

Aesthetic prototypes with exceptional surface 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 DL380 is a material developed for the production of aesthetic prototypes featuring extra-smooth surfaces. It is suitable for creating aesthetic concepts for general applications, industrial design, and components for the sports industry. Models produced with Invicta DL380 are durable and slightly flexible. It is also available in a white version (Invicta DL390).

- Smooth surfaces
- Good surface quality
- A slight degree of flexibility
- Cutting lead time

Industry

- Sport
- General Manufacturing

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Available colors

Name
Invicta DL380 Black
Invicta DL390 White

Technical specs of the liquid material

Viscosity	2000~3000 mPa • s at 25°C
Density	1,08 g/cm^3
Environmental values for use	22°C - 27°C - max, RH 40% - 60%

Technical data after UV curing

Invicta Digital Sketch	Technical Data
Elongation (%)	7~14
Shore Hardness (Shore D)	82~83
Flexural Strength (MPa)	50~65
Flexural Modulus (MPa)	1050~1400
Tensile Strength (MPa)	25~35
Tensile Modulus (MPa)	720~1200
HDT_0.46MPa (°C)	45~49

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