MATERIAL

Invicta Digital PA60

Stiff and tough material.
For strong and sturdy parts.

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 Digital PA60 is a stiff and tough material. It is suitable for the manufacture of strong and sturdy parts requiring high impact strength e stiffness, such as tools, Jigs and fixtures.
Its technical characteristics can be compared to traditional ABS.

High toughness

Hardness

Impact resistance

Respect of dimension

Industry

Automation | Fashion | Footwear | Educational | Manufacturing

DWS S.r.l. Via della Meccanica 21, 36016 Thiene (VI) Italy / +39 0445 810810 / info@dwssystems.com
dwssystems.com / C.F. - P.IVA 03424670242 / Numero REA: VI-324604

Available colors

Name
Invicta Digital PA60 Clear
Invicta Digital PA60 Black

Technical specs of the liquid material

Viscosity	4000 mPa•s at 25°C
Density	1,1 g/cm^3
Environmental values for use	22°C - 27°C - max, RH 40% - 60%

Technical specs after UV curing

Invicta Digital PA60	Technical Data	Method
Flexural strength (MPa)	59	ASTM D790
Flexural modulus (MPa)	1420	ASTM D790
Tensile strength (MPa)	30	ASTM D638
Tensile modulus (MPa)	1225	ASTM D638
Elongation (%)	40	ASTM D638
Surface hardness (Shore D)	82	ASTM D2240
Impact strength(J/m)	40	ASTM D256
HDT_0.46MPa (°C)	71	ISO 75
HDT_1.8MPa (°C)	54	ISO 75
Water absorption 24h (%)	0,4	ASTM D570

©Copyright DWS S.r.l. – All rights reserved. Technical specifications are subject to change without notice.

DWS S.r.l. Via della Meccanica 21, 36016 Thiene (VI) Italy / +39 0445 810810 / info@dwssystems.com
dwssystems.com / C.F. - P.IVA 03424670242 / Numero REA: VI-324604