

Precision at Hand

Zortrax Resin Basic is a versatile light-cured resin that's been developed to work with the Zortrax Inkspire. This material is best suited to the needs of users from various fields, whose job involves creating intricate and highly detailed models. Zortrax Resin gives a possibility to print parts of high quality and provides precision unmatched by traditional 3D printing technologies. Thanks to the impeccable accuracy, Zortrax Resin becomes the best choice for creating prototypes and concept models in engineering, as well as for creative applications, such as figurines and gadgets.

Mechanical Properties	Metric	Imperial
Tensile Strength	36 - 52 MPa	5220 - 7540 psi
Tensile Modulus	1.779 - 2.385 GPa	258 - 346 ksi
Elongation at Break	11 - 20%	11 - 20%
Flexural Strength	59 - 70 MPa	8560 - 10200 psi
Flexural Modulus	1.882 - 2.385 GPa	273 - 346 ksi
Izod Impact, Notched	44 - 49 J/m	0.824 - 0.918 ft-lb/in
Other Properties	Metric	Imperial
Viscosity	150 - 200 mPa·s	0.00313 - 0.00418 lbf-s/ft ²
Density	1.05 - 1.13 g	0.00232 - 0.00249 lb
Shrinkage	3.72 - 4.24%	3.72 - 4.24%
Shore Hardness (D)	88	88
Glass Transition Temperature	100° C	212° F
Hot Deformation Temperature	80° C	176° F

The data presented in this document are intended for information and comparison purposes only. They should not be used for project specifications or its quality evaluation. The material's actual properties depend on the printing process conditions, the design structure and its purpose, test conditions, etc.

Product specifications are subject to change without notice.

Each user is responsible for complying with product safety standards, its intended use as well as the law and waste disposal (and recycling) rules for electrical and electronic equipment. Zortrax does not make any express or implied warranties, including but not limited to implied warranties of merchantability or fitness for a particular purpose.



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