

PRODUCT SPECIFICATIONS

BASIC RESIN is a liquid monomer for use with DLP and LCD 3D Printer. Mechanical properties like PLA and thermal properties like ABS, which combines easy printability, high thermal stability and stiffness.

Printing parameters

Specimens printed on an Anycubic Photon 1 at 23°C and 50% humidity 0,05mm layerheight 10 seconds exposure time per layer

Postcuring parameters

30min with 200W 405nm UV LED Conditioned 72h at 23°C and 50% humidity

PHYSICAL PROPERTIES AFTER POST CURING

This data provided for those properties are typical values, and should not be construed as sales specifications.

Property	Method	Value	Unit
Tensile Et	ISO 527	3730	MPa
Tensile strength at yield σ_M	ISO 527	74,4	MPa
Strain at yield ϵ_M	ISO 527	2,5	%
Young's modulus σ_c	ISO 179-2	12	kJ/m ²
HDT A	ISO 75	74	°C
HDT B	ISO 75	121	°C
Density ρ	ISO 1183	1,18	g/cm ³

HAZARD INFORMATION

For detailed Hazard Information please refer to the Safety Data Sheet on resources.3d-basics.com

STORAGE HANDLING

Provided proper storage and handling precautions are taken we would expect BASIC RESIN to be technically stable for at least 12 months. For detailed advice on Storage and Handling please refer to the Safety Data Sheet on resources.3d-basics.com.

DISCLAIMER

All other information supplied, including that herein, is considered accurate but is furnished upon the express condition that the customer shall make its own assessment to determine a product's suitability for a particular purpose. We make no warranty, express or implied, including regarding any information supplied or the data upon which it is based or the results to be obtained from the use of such products or information, or concerning product, whether of satisfactory quality, merchantability, fitness for any particular purpose or otherwise, or with respect to intellectual property infringement as a result of use of information or products, and none shall be implied.