

## BASIC RESIN

### Product specifications

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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

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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 $\sigma_M$	ISO 527	74,4	MPa
Strain at yield $\epsilon_M$	ISO 527	2,5	%
Young's modulus $\sigma_c$	ISO 179-2	12	kJ/m <sup>2</sup>
HDT A	ISO 75	74	°C
HDT B	ISO 75	121	°C
Density $\rho$	ISO 1183	1,18	g/cm <sup>3</sup>

### Hazard Information

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For detailed Hazard Information please refer to the Safety Data Sheet on [3d-basics.com/downloads](https://3d-basics.com/downloads)

### Storage Handling

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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 [3d-basics.com/downloads](https://3d-basics.com/downloads).

### Disclaimer

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