

Technical Data Sheet

Economy LCD Resin

Print date: 12-04-2022

Version: 1.0

Product specifications

FormFutura Economy LCD Resin is our entry level 3D printing resin. This resin is ideal for beginners and prints with a very limited smell. It combines accuracy with short curing times and a nice matte surface finish. Our Economy LCD Resin makes resin 3D printing more accessible, with a retail price of €29,95 per kg.

Resin printing doesn't have to be more expensive than 3D printing with filament!

Important key features

- Easy to use general purpose LCD resin.
- Excellent printability properties & limited smell.
- Matte surface finish with fine detail.
- Compatible with all open-source SLA, DLP, and LCD 3D printers in the range of 385 - 405nm.

Suitable applications

- 3D printing figurines, miniatures and models
- 3D printing functional prototypes.
- 3D printing end-use products.

Physical properties after post curing

This data provided for those properties are typical values, and should not be construed as sales specifications. Specimen printed in ZXY Orientation (ISO 52921) and examined according to ISO 17296-3.

Property	Typical value
Young's modulus (Bending)	3100 MPa
Young's modulus (Pull)	6400 MPa
Elongation at break	5%
Tensile Strength	50 MPa
Charpy impact test	17 kJ/m ²
HDT B	63,5 °C
Density ρ	1,21 g/cm ³



Printing parameters: Specimens are printed on an Elegoo Mars 2 Pro at 23°C and 50% humidity with a 0,05mm layer height and 4,5 seconds exposure time per layer.

Post curing parameters: Specimens are 30min post cured with 200W 405nm UV LED conditioned for 72h at 23°C and 50% humidity.

Storage and handling

Provided proper storage and handling precautions are taken we would expect Economy LCD 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 formfutura.com/downloads.

Product export information

HS Code	Description	Country of origin
29161400	Resin for 3D Printing	European Union

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.