

Technical Data Sheet

Spectrum LCD Color Mix - Standard Resin

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Version: 1.0

Product specifications

FormFutura "Spectrum LCD Color Mix - Standard Resin" is a high-quality 3D printing resin. This resin has mechanical properties like PLA and thermal properties like ABS. Spectrum LCD Color Mix resin combines easy printability with excellent heat resistance and stiffness. The ingenious color mixing concept of our Spectrum resins resulted in an impressive amount of 29 RAL colors that can be obtained by adding our Spectrum Color Pigments to the resin. You can even fine-tune your own colors by mixing pigments into a new color.

Important key features

- 29 opaque RAL colors available.
- Excellent printability properties.
- Impressive heat resistance of 121 °C.
- Compatible with all open-source SLA, DLP, and LCD 3D printers in the range of 385 - 405nm.

Suitable applications

- Figurines, miniatures and models.
- 3D printing end-use products.
- 3D printing functional prototypes.
- Creating custom colored 3D prints.

Physical properties after post curing

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

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



Printing parameters: Specimens are printed on an Anycubic Photon 1 at 23°C and 50% humidity with a 0,05mm layer height and 10 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 Spectrum LCD Color Mix - Standard 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.