

Technical Data Sheet

Engineering LCD Resin – Flex 63A

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Product specifications

FormFutura Engineering LCD Resin - Flex 63A Resin is a very flexible and extremely transparent 3D printing resin. This flexible resin has a low surface shore hardness of 63A. The combination of flexibility with elasticity make Engineering LCD Resin - Flex 63A Resin a very versatile 3D printing resin for a wide range of applications.

Important key features

- Excellent flexibility.
- High elongation properties up to 80%.
- Good elasticity properties.
- Extremely transparent.
- High dimensional accuracy and low shrinkage.
- Compatible with all open-source SLA, DLP, and LCD 3D printers in the range of 385 - 405nm.

Suitable applications

- 3D printing seals and gaskets
- Soft touch applications.
- Wearables.
- Functional prototyping.
- Short-run manufacturing.

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	Test Method
Tensile strength	1.7 MPa	ASTM D638M
Elongation at break	50 - 80%	ASTM D638M
Tear Strength	4.3 kN/m	ASTM D624
Shore hardness	63A	ASTM D2240
Water sorption	1.6%	ASTM D570-98
Density ρ	1,18 g/cm ³	



Post curing parameters: Specimens are 30min post cured via high power LED curing.

Storage and handling

Provided proper storage and handling precautions are taken we would expect Engineering LCD Resin – Flex 63A to be technically stable for at least 18 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	Netherlands

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.