



## Liqcreate Flexible-X

An extremely flexible and soft resin for Digital Light Processing (DLP), Liquid Crystal Display (LCD) and laser based 3D-printers. Liqcreate Flexible-X is perfect for the manufacturing of soft touch and elastic parts for industrial use.

### Product description

Liqcreate Flexible-X is an opaque black photopolymer with great processability and print speed on MSLA, DLP and laser based 3D-printers. 3D-printed parts from this material have exceptional flexibility and great rebound properties. Liqcreate Flexible-X is easy to use on all open source DLP, LCD and SLA 3D-printers in the range of 385 - 420nm. Its low hardness of 55 Shore A and elongation up to 160% makes it perfect for the production of a diversity of industrial applications.

### Key benefits

- High elongation
- Excellent rebound
- Good tear strength
- Durable soft touch

### 3D-Printer compatibility

- Asiga
- Anycubic Photon
- Elegoo Mars
- All open source 385 - 420nm DLP, LCD and SLA 3D-printers

### Order information

Order directly at the [Liqcreate store](#) or send your inquiry to [order@liqcreate.com](mailto:order@liqcreate.com) with the following order numbers.

Liqcreate Flexible-X	250gram	Order number LFX00250
Liqcreate Flexible-X	1 kg	Order number LFX01000





## Liqcreate Flexible-X Preliminary Technical Data

Liquid properties			
Appearance	Black liquid	$E_c$	6.87 mJ/cm <sup>2</sup>
Viscosity	950 cps at 25 °C	$D_p$ metric	0.35 mm
Density	1.18 g/cm <sup>2</sup>	$D_p$ imperial	13.78 mils

Polymer properties			
Mechanical properties		30 minutes high power LED curing at 20°C in glycerol or water	
Description	ASTM Method	Metric	Imperial
Tensile Strength	D638M	2.4 MPa	0.35 ksi
Elongation at break	D638M	120 - 160 %	
Shore A Hardness	D2240	55	
Tear strength	D624	14.9 kN/m	85 lbf/in
Compression set 24 hours at 22°C	D395	2 %	
Water sorption	D570-98	3.3 %	
Tg	D7028	n/a	n/a

*These values may vary and depend on individual machine processing and post-curing.*

Visit [www.liqcreate.com](http://www.liqcreate.com) for more information about this product.