



## Liqcreate Premium Flex

An extremely flexible and soft resin for Liquid Crystal Display (LCD) and Digital Light Processing (DLP) 3D-printers. Liqcreate Premium Flex is perfect for the manufacturing of soft touch and elastic prototypes.

### Product description

Liqcreate Premium Flex is a translucent turquoise blue photopolymer with great processability and print speed on MSLA and DLP based 3D-printers. 3D-printed parts from this material have exceptional flexibility and low surface hardness of 63 Shore A. Liqcreate Premium Flex is easy to use on all open source DLP and LCD 3D-printers in the range of 385 - 420nm. Its high elongation and low Shore A hardness makes it perfect for diversity of soft touch and elastic prototypes.

### Key benefits

- High elongation
- Soft touch
- Easy to print
- High flexibility

### 3D-Printer compatibility

- Anycubic Photon
- Elegoo Mars
- All open source 385 - 420nm DLP, LCD/MSLA 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 Premium Flex  
Liqcreate Premium Flex

250gram  
1 kg

Order number LPF00250  
Order number LPF01000





## Liqcreate Premium Flex Technical Data

Liquid properties			
Appearance	Turquoise liquid	$E_c$	6.65 mJ/cm <sup>2</sup>
Viscosity	700 cps at 25°C	$D_p$ metric	0.32 mm
Density	1.18 g/cm <sup>2</sup>	$D_p$ imperial	12.60 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	1.7 MPa	0.25 ksi
Elongation at break	D638M	50 - 80 %	
Shore A Hardness	D2240	63	
Tear strength	D624	4.3 kN/m	25 lbf/in
Water sorption	D570-98	1.6 %	
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.