



## Liqcreate Premium Black

A general purpose and easy to print resin for Liquid Crystal Display (LCD) and Digital Light Processing (DLP) 3D-printers. Liqcreate Premium Black is perfect for applications which require injection molding look- and feel prototypes.

### Product description

Liqcreate Premium Black is an opaque black photopolymer with excellent color stability. 3D-printed parts from this material have exceptional dimensional stability and low shrinkage during printing. Liqcreate Premium Black is easy to use on all open source LCD and DLP 3D-printers in the range of 385 - 420nm. This material has excellent properties like low shrinkage and low odor, which makes it ideal for applications that require an opaque, deep black surface finish.

### Key benefits

- Opaque Black
- High reactivity
- Low odor
- Low shrinkage

### 3D-Printer compatibility

- Anycubic Photon
- Uniz Slash
- Wanhao D7
- Kudo3D Bean
- Phrozen Shuffle/XL
- Prusa SL1
- Kelant S400
- All low power, open source 385 - 420nm LCD and DLP 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 Black	250gram	Order number LPB00250
Liqcreate Premium Black	1 kg	Order number LPB01000





## Liqcreate Premium Black Technical Data

Liquid properties			
Appearance	Opaque Black liquid	$E_c$	6.87 mJ/cm <sup>2</sup>
Viscosity	500 cps at 25 °C	$D_p$ metric	0.35 mm
Density	1.18 g/cm <sup>3</sup>	$D_p$ imperial	13.78 mils

Polymer properties			
Mechanical properties		30 minutes high power LED curing	
Description	ASTM Method	Metric	Imperial
Tensile Strength	D638M	46 MPa	6.7 ksi
Tensile Modulus	D638M	1.1 GPa	160 ksi
Elongation at break	D638M	8 %	
Flexural Strength	D790M	68 MPa	9.9 ksi
Flexural modulus	D2240	1.9 GPa	276 ksi
IZOD Impact (notched)	D256A	17 J/m	0.29 ft-lb/in
Shore D Hardness	D2240	83	
Water sorption	D570-98	0.4 %	
Tg	D7028	51 °C	124 °F

*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.