



## Liqcreate Stone Coal Black

A general purpose and easy to print stereolithography (SLA) and Digital Light Processing (DLP) material which is perfect for making esthetic prototypes.

### Product description

Liqcreate Stone Coal Black is an opaque high resolution general purpose photopolymer for SLA and DLP technologies in the range of 385 - 405nm. The polymer has an incredibly smooth surface finish which highlights the smallest details.

Its rigid character makes this material perfectly suitable for rapid prototyping and product development in a wide variety of industries.

### Key benefits

- Smooth surface finish
- High accuracy
- Low odor
- Low shrinkage
- Opaque resin

### 3D-Printer compatibility

- Form2
- Miicraft 125
- All open source 385 - 405nm SLA and DLP 3D-printers

### Order information

Order directly on [www.liqcreate.com/store](http://www.liqcreate.com/store) or send your inquiry with the following order numbers to [order@liqcreate.com](mailto:order@liqcreate.com)

Liqcreate Stone Coal Black 250gram  
Liqcreate Stone Coal Black 1 kg

Order number LSCB00250  
Order number LSCB01000





## Liqcreate Stone Coal Black Technical Data

Liquid properties			
Appearance	Black Opaque liquid	$E_c$	9.88 mJ/cm <sup>2</sup>
Viscosity	700 cps at 25 °C	$D_p$ metric	0.20 mm
Density	1.12 g/cm <sup>2</sup>	$D_p$ imperial	7.87 mils

Polymer properties					
Mechanical properties		20 minutes low power UV-curing		10 minutes high power mercury curing	
Description	ASTM Method	Metric	Imperial	Metric	Imperial
Tensile Strength	D638M	51 MPa	7.3 ksi	62 MPa	9.0 ksi
Tensile Modulus	D638M	1.9 GPa	276 ksi	2.2 GPa	319 ksi
Elongation at break	D638M	7%		4%	
Flexural Strength	D790M	50 MPa	7.2 ksi	75 MPa	10.9 ksi
Flexural modulus	D2240	1.45 GPa	210 ksi	1.9 GPa	276 ksi
IZOD Impact (notched)	D256A	15 J/m	0.28 ft-lb/in	15 J/m	0.28 ft-lb/in
Shore D Hardness	D2240	78		80	
Water sorption	D570-98	0.30%		0.30%	
Tg	D7028	52 °C	128 °F	54 °C	130 °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.