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Liqcreate Deep Blue

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

Product description

Liqcreate Deep Blue is a general purpose photopolymer for DLP and SLA technologies in the range of 385 – 405nm. Parts created with Liqcreate Deep Blue have a rigid character and its low shrinkage and high shape retention make this material perfect for the production of functional prototypes.

The aesthetically pleasing blue color, low odor and overall properties make the material perfect for rapid manufacturing and prototyping in the prosumer market.

Key benefits

- Smooth surface finish
- High accuracy
- Low odor
- Low shrinkage
- High translucency

3D-Printer compatibility

- Moonray S & D
- Miicraft 125
- Form2
- Cubicon Lux HD
- Anycubic Photon
- Wanhao Duplicator 7
- All open source 385 - 405nm SLA and DLP 3D-printers

Order information

Order directly on www.liqcreate.com/store or send your inquiry with the following order numbers to order@liqcreate.com

Liqcreate Deep Blue 250gram	Order number LDB00250
Liqcreate Deep Blue 1 kg	Order number LDB01000

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Liqcreate Deep Blue Technical Data

Liquid properties			
Appearance	Translucent blue liquid	**E_c**	9.88 mJ/cm^2
Viscosity	700 cps at 25°C	**D_p metric**	0.20 mm
Density	1.12 g/cm^3	**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	60 MPa	8.7 ksi	73 MPa	10.6 ksi
Tensile Modulus	D638M	2.2 GPa	319 ksi	2.6 GPa	377 ksi
Elongation at break	D638M	7%		5%	
Flexural Strength	D790M	55 MPa	8.0 ksi	82 MPa	11.9 ksi
Flexural modulus	D2240	1.45 GPa	210 ksi	1.9 GPa	276 ksi
IZOD Impact (notched)	D256A	20 J/m	0.37 ft-lb/in	22 J/m	0.41 ft-lb/in
Shore D Hardness	D2240	80		81	
Water sorption	D570-98	0.26%		0.26%	
Tg	D7028	50°C	126°F	55°C	131°F

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

Visit www.liqcreate.com for more information about this product.