



Liqcreate Strong-X

An extremely strong and easy to print Stereolithography (SLA) and Digital Light Processing (DLP) resin which is perfect for industrial applications.

Product description

Liqcreate Strong-X is one of the strongest materials available in the market. Its flexural strength of 135MPa is comparable to industry's leading dual-cure cyanate ester resins. Liqcreate Strong-X is easy to use on all open source SLA and DLP 3D-printers in the range of 385 - 405nm and only requires UV post-curing. This material has excellent features like high strength, high stiffness and high temperature resistance which makes it ideal for injection molding and heavy duty applications.

Key benefits

- High strength
- High temperature resistance
- Low odor
- Low shrinkage

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 or send your inquiry with the following order numbers to order@liqcreate.com

Liqcreate Strong-X	250gram	Order number LSX00250
Liqcreate Strong-X	1 kg	Order number LSX01000





Liqcreate Strong-X Technical Data

Liquid properties			
Appearance	Opaque Grey liquid	E_c	9.88 mJ/cm ²
Viscosity	550 cps at 25 °C	D_p metric	0.20 mm
Density	1.12 g/cm ²	D_p imperial	7.87 mils

Polymer properties			
Mechanical properties		30 minutes high power mercury curing	
Description	ASTM Method	Metric	Imperial
Tensile Strength	D638M	91 MPa	13.2 ksi
Tensile Modulus	D638M	2.5 GPa	363 ksi
Elongation at break	D638M	8%	
Flexural Strength	D790M	135 MPa	19.6 ksi
Flexural modulus	D2240	3.25 GPa	471 ksi
IZOD Impact (notched)	D256A	20 J/m	0.33 ft-lb/in
Shore D Hardness	D2240	87	
Water sorption	D570-98	0.45%	
Tg	D7028	128 °C	262 °F

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

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