



## Liqcreate Premium Model

Liqcreate Premium Model is perfect for manufacturing orthodontic models and aligner models. This skin/peach colored resin is optimized for high speed printing on Liquid Crystal Display (LCD) and Digital Light Processing (DLP) 3D-printers.

### Product description

Liqcreate Premium Model is an opaque skin/peach colored photopolymer. Its color accentuates depth in your dental models, which accommodates a perfect view on undercuts in 3D-printed models. 3D-printed parts from this material have great dimensional stability and low shrinkage during printing. Liqcreate Premium Model 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, low odor and high print speed making it perfect for the production of orthodontic and aligner models.

### Key benefits

- Excellent dimensional stability
- Great detail
- Temperature resistant for aligner production
- Low shrinkage

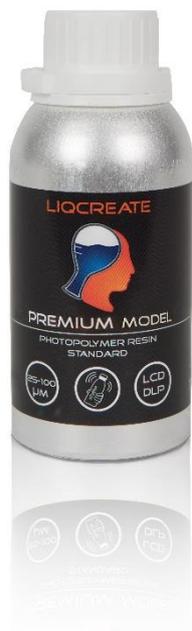
### 3D-Printer compatibility

- Asiga Max and 4K
- Shining3d AccuFab-D1
- Photon and Phrozen series
- 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 Model	250gram	Order number LPM00250
Liqcreate Premium Model	1 kg	Order number LPM01000





## Liqcreate Premium Model Technical Data

Liquid properties			
Appearance	Opaque peach liquid	$E_c$	2.86 mJ/cm <sup>2</sup>
Viscosity	700 cps at 25° C	$D_p$ metric	0.22 mm
Density	1.18 g/cm <sup>3</sup>	$D_p$ imperial	8.70 mils

Polymer properties			
Mechanical properties		30 minutes high power LED curing at 40° C	
Description	ASTM Method	Metric	Imperial
Tensile Strength	D638M	53 MPa	7.69 ksi
Tensile Modulus	D638M	1.9 GPa	276 ksi
Elongation at break	D638M	4.1%	
Flexural Strength	D790M	80 MPa	11.6 ksi
Flexural modulus	D2240	2.1 GPa	305 ksi
IZOD Impact (notched)	D256A	17 J/m	0.29 ft-lb/in
Shore D Hardness	D2240	83	
Water sorption	D570-98	0.4 %	
Linear shrinkage during printing	Internal method	0.5 %	
Linear shrinkage during UV-curing	Internal method	0.5 %	

*These values may vary and depend on individual machine processing and post-curing. Liqcreate Premium Model is not tested on biocompatibility, therefore the material should not be used for applications inside the human body.*

Visit [www.liqcreate.com](http://www.liqcreate.com) for more information about this product.