



Liqcreate Dental Model Pro Grey

Liqcreate Dental Model Pro Grey is perfect for manufacturing accurate dental models and aligner models. This high accuracy grey colored resin is optimized for Mask Stereolithography (MSLA), Liquid Crystal Display (LCD), Digital Light Processing (DLP) and Stereolithography (SLA) 3D-printers. This resin has been developed and validated in collaboration with dental companies and professionals in order to meet the high expectations in this disruptive market.

Product description

Liqcreate Dental Model Pro Grey is a matte, opaque grey colored photopolymer. Its matte surface finish accentuates depth and detail in dental models, which accommodates a perfect view on undercuts and the surface is ideal for scan impressions. 3D-printed parts from this material have exceptional dimensional stability and low shrinkage during printing. Liqcreate Dental Model Pro Grey is easy to use on all open source SLA, MSLA and DLP 3D-printers in the range of 385 - 420nm. This material has excellent properties like low shrinkage and low odor, accuracy and dimensional stability, making it perfect for the production of dental models, C&B, thermoforming and aligner models.

Key benefits

- Excellent dimensional stability
- High detail & matte surface
- Low shrinkage
- Low Odor

3D-Printer compatibility

- Asiga Max & 4K
- Ackuretta Dentiq
- Photon and Phrozen Series
- Open 385 - 420nm LCD/MSLA, DLP and SLA 3D-printers

Order information

Order directly at the [Liqcreate store](#) or send your inquiry to order@liqcreate.com with the following order numbers.

Liqcreate Dental Model Pro Grey	250gram	Order number LDMG00250
Liqcreate Dental Model Pro Grey	1 kg	Order number LDMG01000





Liqcreate Dental Model Pro Grey Technical Data

Liquid properties			
Appearance	Opaque grey liquid	E_c	4.62 mJ/cm ²
Viscosity	700 cps at 25 °C	D_p metric	0.14 mm
Density	1.18 g/cm ³	D_p imperial	5.53 mils

Polymer properties			
Mechanical properties		30 minutes high power LED curing at 40 °C	
Description	ASTM Method	Metric	Imperial
Tensile Strength	D638M	49 MPa	7.1 ksi
Tensile Modulus	D638M	2.3 GPa	334 ksi
Elongation at break	D638M	4.1 %	
Flexural Strength	D790M	89 MPa	12.9 ksi
Flexural modulus	D2240	2.4 GPa	348 ksi
Shore D Hardness	D2240	85	
Water sorption	D570-98	0.45 %	
Linear shrinkage during printing	Internal method	0.3 %	
Linear shrinkage during UV-curing	Internal method	0.4 %	

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

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