



MODEL 3D PRO GREY

Model 3D Pro from Garreco Print is perfect for manufacturing highly accurate dental models, dies and aligner models. This high accuracy colored resin is suitable for open 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

Model 3D Pro Grey is a matte, grey opaque colored photopolymer. Its matte surface finish accentuates depth and detail in dental models, which accommodates a perfect view on undercuts and other important markers. In addition, 3D-printed models from Model 3D Pro are excellent for crown & bridge build-ups. 3D-printed parts from this material have exceptional dimensional stability and extremely low shrinkage during printing. Model 3D Pro 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

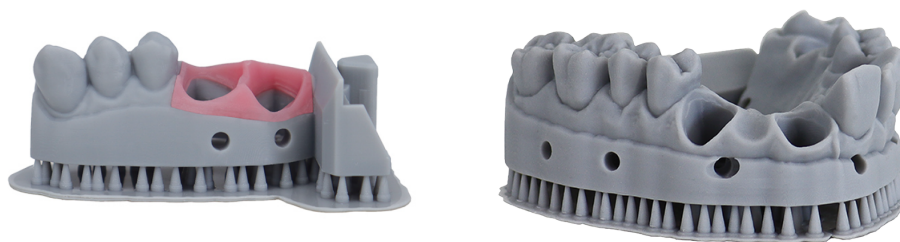
- Excellent dimensional stability
- High detail and matte surface
- Low shrinkage
- Low odor

3D-PRINTER COMPATIBILITY

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

PRODUCT CONFIGURATIONS

Model 3D Pro Grey - 1 kg (1000 g)
Item 6854502S





MODEL 3D PRO GREY - TECHNICAL DATA

Liquid Properties			
Appearance	Opaque grey liquid	EC	4.62 mJ/cm ²
Viscosity	700 cps at 25° C	Dp metric	0.14 mm
Density	1.18 g / cm ³	Dp 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%	4.1%
Flexural Strength	D790M	89 MPa	12.9 ksi
Flexural Modulus	D2240	2.4 GPa	348 ksi
Shore D Hardness	D2240	85	85
Water Sorption	D570-98	0.45%	0.45%
Linear Shrinkage During Printing	Internal Method	0.30%	0.30%
Linear Shrinkage During UV-Curing	Internal Method	0.40%	0.40%

These values may vary and depend on individual machine processing and post-curing. Model 3D Pro is not tested on biocompatibility, therefore the material should not be used for applications inside or on the human body and is for dental applications only.



MODEL 3D PRO GREY - COMPATIBLE PRINTERS

Printer Name	Compatible?
Miicraft Prime	Yes
Miicraft Ultra	Yes
Asiga Max UV	Yes
Asiga Pro 4K	Yes
Shining3D AccuFab-L4D	Yes
MakeX M-One Pro 70	Yes
Ackuretta Dentiq	Yes
Ackuretta Freeshape 120	Yes
Anycubic Photon	Yes
Anycubic Photon Mono	Yes
Anycubic Photon Mono SE	Yes
Anycubic Photon Mono X	Yes
Elegoo Mars	Yes
Elegoo Mars 2	Yes
Elegoo Mars 3	Yes
Elegoo Saturn	Yes

Printer Name	Compatible?
Phrozen Sonic Mini 4K	Yes
Phrozen Series	Preliminary settings
Peopoly Phenom Prime	Yes
Creality Halot-One	Yes
Prusa SL1Speed	Yes
Moonray S & D	Not compatible
Formlabs Form2	Not compatible
385 – 420nm MSLA, SLA & DLP printers	Contact us