



## WAXCAST 3D

A wax-based castable resin for Digital Light Processing (DLP), Liquid Crystal Display (LCD) and laser based 3D-printers. WaxCast 3D from Garreco Print is perfect for manufacturing dental, jewelry and industrial parts using the direct investment casting method.

### PRODUCT DESCRIPTION

WaxCast 3D is a blue wax-based photopolymer with reliable processability and accuracy on LCD/MSLA, DLP and laser based 3D-printers. 3D-printed parts from this material captures intricate features and show crisp details. This wax-based material offers smooth surfaces with clean burnout for a reliable casting process. Create custom made elegant organic geometries according to your preferences with positive and negative engravings. WaxCast 3D creates perfect casting patterns for jewelry, dental and industrial parts.

### KEY BENEFITS

- High precision
- Wax-based
- Clean & ash free burnout
- Excellent casting of engravings

### 3D-PRINTER COMPATIBILITY

- Asiga Max and 4K
- Phrozen Sonic Mini 4K
- Anycubic Photon
- Elegoo Mars
- Open 385 - 420nm LCD and SLA 3D-printers

### PRODUCT CONFIGURATIONS

WaxCast 3D - 1 kg (1000 g)  
Item 6871502S



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# WAXCAST 3D - TECHNICAL DATA

Liquid Properties			
Appearance	Blue liquid	EC	7.31 mJ/cm <sup>2</sup>
Viscosity	700 cps at 25° C	Dp metric	0.29 mm
Density	1.18 g / cm <sup>3</sup>	Dp imperial	11.42 mils

Polymer Properties			
Mechanical properties		30 minutes high power LED curing at 40°C	
Description	ASTM Method	Metric	Imperial
Flexural Strength	D790M	33 MPa	4.8 ksi
Flexural Modulus	D2240	1.1 Gpa	160 ksi
Shore D Hardness	D2240	77	77
Water Sorption	D570-98	0.28%	0.28%

These values may vary and depend on individual machine processing and post-curing. WaxCast 3D 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.



# WAXCAST 3D - COMPATIBLE PRINTERS

Printer Name	Compatible?
UnionTech Cute 300	Yes
Asiga Max UV	Yes
Asiga Pro 4K	Yes
MakeX M-One Pro 70	Yes
Miicraft Ultra	Yes
Miicraft Prime	Yes
Ackuretta Freeshape 120	Yes
Ackuretta Dentiq	Yes
Creality Halot-One	Yes
Shining3D AccuFab-L4D	Yes
Shining3D AccuFab-L4K	Yes
Anycubic Photon	Yes
Anycubic Photon Mono	Yes
Anycubic Photon Mono SE	Yes
Anycubic Photon Mono X	Yes
Elegoo Mars	Yes

Printer Name	Compatible?
Elegoo Mars 2	Yes
Elegoo Mars 3	Yes
Elegoo Saturn	Yes
Phrozen Sonic Mini 4K	Yes
Phrozen Series	Preliminary settings
Prusa SL1	Yes
Prusa SL1Speed	Yes
Peopoly Phenom Prime	Yes
Kudo3D Bean	Yes
Moonray S & D	Not compatible
Formlabs Form2	Not compatible
385 – 420nm MSLA, SLA & DLP printers	Contact us