



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

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

PRODUCT CONFIGURATIONS

WaxCast 3D 1 kg or 500 grams



Distributed by Garreco, LLC
430 Hiram Road, Heber Springs, AR 72543, USA
Toll Free: (800) 334-1443
garreco.com

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WAXCAST 3D TECHNICAL DATA

Liquid Properties			
Appearance	Blue liquid	EC	7.31 mJ/cm ²
Viscosity	700 cps at 25° C	Dp metric	0.29 mm
Density	1.18 g / cm ³	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
IZOD Impact (notched)	D256A	N/A	N/A
Shore D Hardness	D2240	77	77
Water Sorption	D570-98	0.28%	0.28%
Tg	D7028	N/A	N/A

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 the human body.