

# MATERIALS HANDBOOK DENTAL





## DentaMODEL

### High precision dental model material

DentaMODEL is designed for the digital production of dental models with high accuracy and visual properties matching that of traditional dental stone. DentaMODEL produces crisp and precise dental models for all applications at high print speeds on both 385nm and 405nm printers.

#### Applications:

- Crown and bridge dental models
- Removable die dental models
- Fast print speeds also make it suitable for orthodontic thermo-forming

### Reliable accuracy for quality assurance and patient safety.

3D scans of full-arch dental models printed in DentaMODEL demonstrate over 93% of data points are within 50 microns of the original CAD file with a standard deviation of 31 microns.

Printer compatibility: 385nm (UV) and 405nm.

\$175 p/L

Available in 500mL and 1L bottles







# PlasGRAY

Performance dental model resin with excellent surface clarity and temperature resistance for the production of vacuum form aligners, mouth guards and other appliances. Also exhibiting precision and accuracy for restorative models. Layer thickness range from 10 microns.

- Applications:
- Orthodontic models for thermo-forming
  - Vacuum form patterns for clear aligners, mouthguards etc.
  - Removable die dental models, crown and bridge dental models

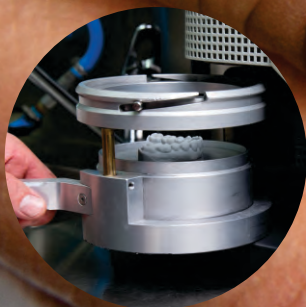
Printer compatibility: 385nm (UV) and 405nm.

\$175 p/L

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## Technical Data

COLOR	GRAY
TENSILE STRENGTH	51.1 Mpa
ELONGATION AT BREAK	6.58 %
ELONGATION AT YIELD	8.40%
FLEXURAL STRENGTH	86.8 MPa
FLEXURAL MODULUS	1910 MPa
HARDNESS (SHORE D)	82 Shore D
VISCOSITY	343 mPa s
GLASS TRANSITION TEMPERATURE	84°C
IZOD NOTCHED-IMPACT	4.97 kJ/m <sup>2</sup>
DENSITY	1.181 g/cm <sup>3</sup>







## SuperCAST HD

Precise, smooth and durable. SuperCAST HD is the ultimate direct casting material for partial frameworks and crown and bridge restorations. Layer thickness range from 10 microns.

Applications:

- Partial frameworks
- Crown and bridge restorations

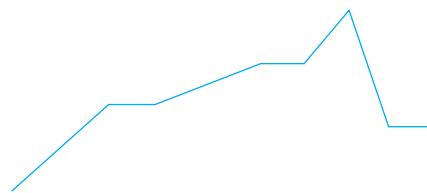
Printer compatibility: 405nm.

\$355 p/L

Available in 500mL and 1L bottles

Investment casting guide

REFER TO YOUR INVESTMENT MANUFACTURERS GUIDELINES  
INVESTMENT CASTING CYCLE



## SuperCAST v3

SuperCAST v3 is Asiga's highest definition direct-casting material for the production of accurate crown and bridge, partial frameworks and inlays/onlays. With a fast print speed and clean casting SuperCAST v3 is the ideal casting material for the restorative lab. Layer thickness range from 10 microns.

Applications:

- Partial frameworks
- Crown and bridge restorations

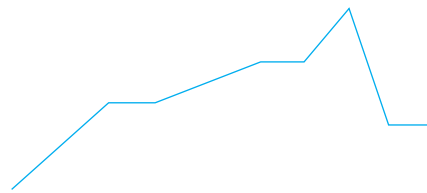
Printer compatibility: 385nm (UV) and 405nm.

\$355 p/L

Available in 500mL and 1L bottles

Investment casting guide

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## Bio-compatible Material Partners

Asiga's open material system provides full compatibility with the World's leading dental material manufacturers making this the widest range of dental materials available for any Asiga 3D printer.

**DETAX**  
Chemistry with passion

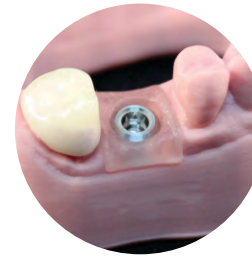
**SCHEU**

**NextDent**  
by Vertex Dental

pro**3d**ure  
medical

**Whip Mix**

**Dreve**



Temporary crown&bridge • dental splint • custom trays • gingiva mask • surgical drill guides • dental models

