

MATERIALS HANDBOOK JEWELLERY



Materials Handbook - Jewellery

Resins for stunning detail and silky smooth surfaces.



SuperWAX

The only DLP printing material that melts like wax. With a melting temperature of 50°C / 122°F SuperWAX is the ideal jewellery casting material to fit within your current jewellery casting process. Super smooth surfaces with no post-processing prior to treeing. Suitable for casting platinum. Layer thickness range from 25 microns.

Applications:

- Direct casting in gypsum and phosphate investments. Platinum / gold / silver / non-precious
- Melts like real wax

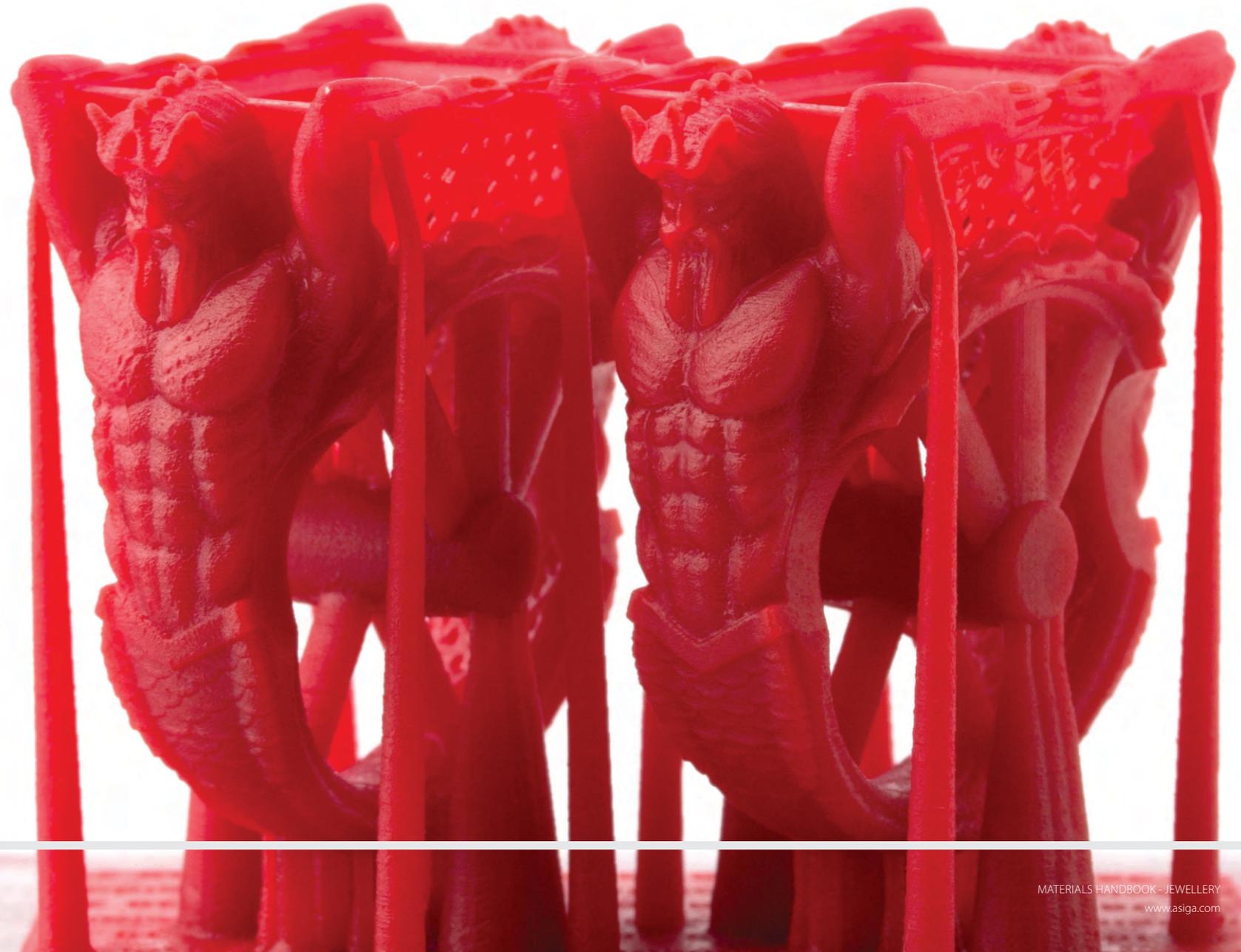
Printer compatibility: 405nm.

\$355 p/L

Available in 500mL and 1L bottles

Investment casting guidelines

- Use a standard Phosphate bonded or gypsum bonded investment
- Follow the casting guidelines recommended by the investment manufacturer



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SuperCAST HD

The smoothest parts you'll ever see! Asiga has combined years of direct-casting knowledge and for SuperCAST HD has introduced a unique nano-technology to achieve stunning surface smoothness and detail definition .

Layer thickness range from 10 microns.

Applications:

- Direct casting in gypsum investments
- Durable resin for pre-cast finishing

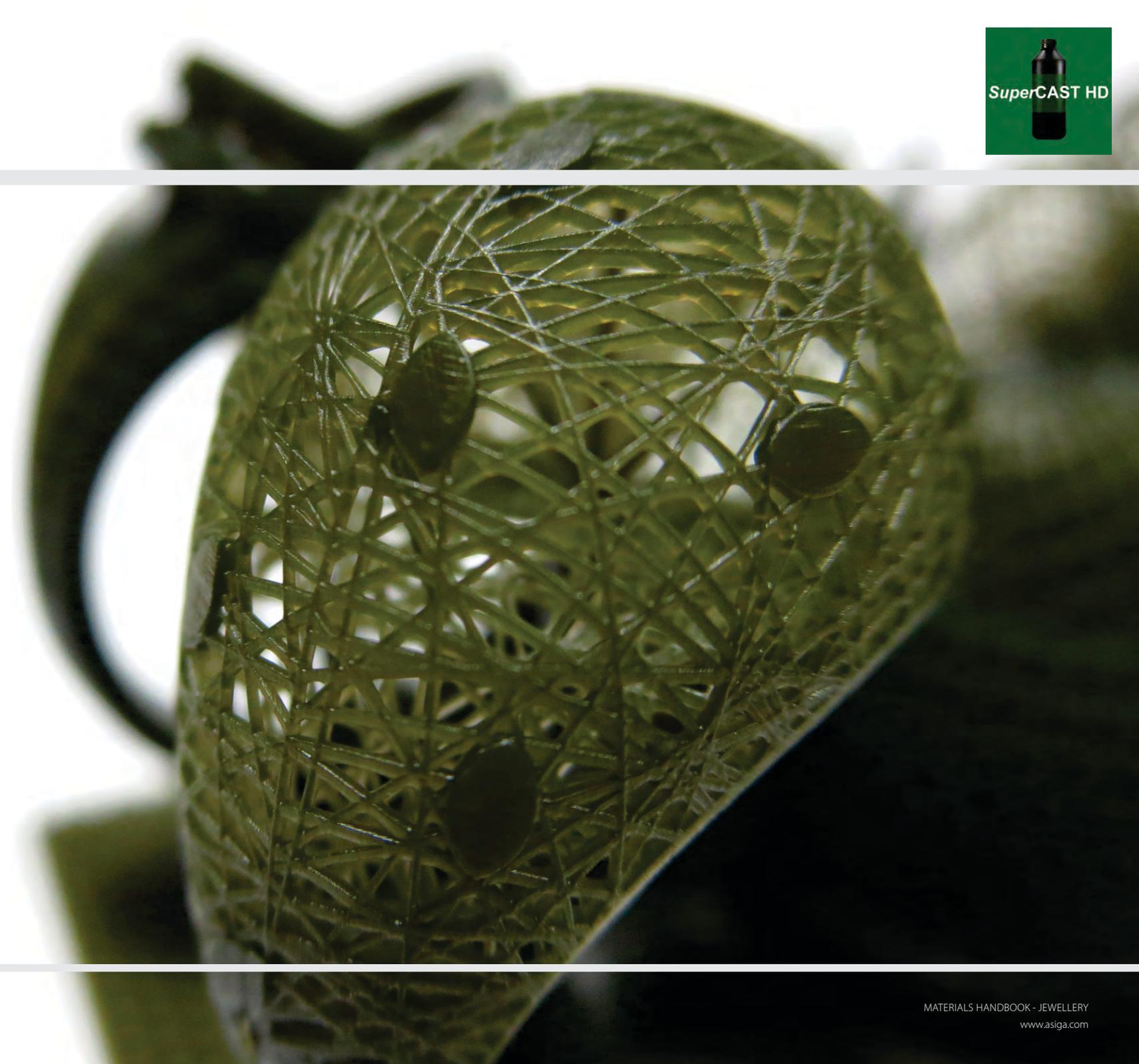
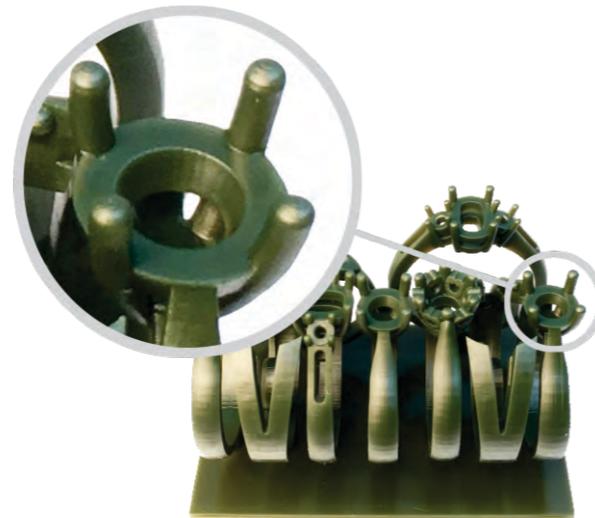
Printer compatibility: 385nm and 405nm.

\$355 p/L

Available in 500mL and 1L bottles

Investment casting guidelines

- Use a high cristobalite gypsum bonded investment.
- Follow the casting guidelines recommended by the investment manufacturer.



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SuperCAST v3

SuperCAST v3 is Asiga's highest definition direct-casting material for direct casting in gypsum investments. Fast printing, durable and cast under normal burnout conditions. Layer thickness range from 10 microns.

Applications:

- Direct casting in gypsum investments
- Fast print speeds

Printer compatibility: 385nm and 405nm.

\$355 p/L

Available in 500mL and 1L bottles

Investment casting guidelines

- Use a high cristobalite gypsum bonded investment.
- Follow the casting guidelines recommended by the investment manufacturer.





PlasGRAY

Looking for a low cost client validation model? PlasGRAY is the perfect design validation material. Super smooth matte surface finish which offers clear visibility of small details and texture. Also an excellent choice for printing miniature models. Layer thickness range from 10 microns.

Applications:

- Jewellery design validation.
- RTV moulding
- Miniature model making

Printer compatibility: 385nm and 405nm.

\$175 p/L

Available in 500mL and 1L bottles

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 ²
DENSITY	1.181 g/cm ³





FusionGRAY

A high temperature material for vulcanised rubber moulding. Resistant to temperatures to to 160°C / 320°F. FusionGRAY offers excellent surface detail making it perfect to use as a master model material for mould making. Layer thickness range from 10 microns.

Applications:

- Vulcanised rubber moulds
- RTV moulds
- Jewellery design validation.

Printer compatibility: 405nm.

\$265 p/L

Available in 500mL and 1L bottles

Technical Data

COLOR	DARK GRAY
GLASS TRANSITION TEMPERATURE	160°C / 320°F



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