

CastPro Resin Technical Data Sheet (TDS)

Product Description: CastPro Resin is a wax-filled photopolymer material designed for producing wax copings and crowns with highly detailed anatomy and crisp features. It is also possible to produce a perfectly fitting multiple unit bridge up to 16 units. **CastPro Resin** has very low thermal expansion during burn-out and produces a high-quality surface finish on cast or pressed parts. It melts during the burn-out cycle, allowing for the material to melt out of the investment without leaving any ash residue. Low material expansion allows rapid burn-out and casting with any dental alloy without any flashing due to micro-cracking in the investment. Pressing or casting in any material works well with conventional spruing techniques and investments.

Material Properties:

Property	Value
Tensile Strength	56 MPa
Elongation at Break	3.5%
Flexural Strength	115 MPa
Flexural Modulus	3350 MPa
HDT (Heat Deflection Temperature)	150°C (284°F)

Note: No heat treatment necessary.

Recommended 3D Printer Family:

- **DLP and mSLA Printer**

Applications:

CastPro Resin is ideal for:

- Wax copings and crowns
- Multiple unit bridges (up to 16 units)
- Detailed anatomical features
- Low thermal expansion during burn-out

Storage and Handling:

- Store in a dark environment when not in use.
- Preheat the material before each print for better printing results.
- Cool the material down after the print is finished.

- Mix the material with a material mixing card before starting a new job.
- Remove the material from the material tray and carefully pour it into a spare dark bottle.

Safety:

- Always wear gloves when handling uncured material and alcohol.
- Ensure proper ventilation when using the material.
- Refer to the Safety Data Sheets (SDS) for detailed safety instructions.

Warning: Some materials used for washing may be flammable. Do not wash parts in proximity to any potential ignition source.

Regulatory Compliance:

- Complies with relevant industry standards and regulations.

Manufacturer:

Resinify Technology LLC Detroit, MI 48226 Resinify Technology LLC