CastPro

Castable Resin — Dental Wax Copings & Crowns

Revision: Rev. A (supersedes Rev. A)

Document ID: RES-TDS-DENT-CASTPRO-Rev.A

Manufacturer: Resinify Technology LLC — Detroit, MI

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 the material to melt out of the investment without leaving ash residue. Low material expansion allows rapid burn-out and casting with any dental alloy without flashing due to micro-cracking in the investment.

Key Properties

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

Applications

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

No heat treatment necessary.

Full Technical Specifications

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

Storage & 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.
- Recommended 3D printer family: DLP and mSLA.

Safety

- Always wear gloves when handling uncured material and alcohol.
- Ensure proper ventilation when using the material.
- Some materials used for washing may be flammable — do not wash parts near an ignition source.

Refer to the Safety Data Sheet (SDS) for complete safety and handling information.

Regulatory Compliance

Complies with relevant industry standards and regulations applicable to this product category. See Section titled Full Technical Specifications above for applicable ISO / ASTM test methods.

To the best of our knowledge, the information contained herein is accurate. However, Resinify Technology LLC makes no warranty, expressed or implied, regarding the accuracy of these results or the results to be obtained from the use thereof.