Resinify CleanCast

Jewelry, Dental & Prototyping Castable Resin

Revision: Rev. A (rebrand) **Document ID:** RES-TDS-JWL-CLEANCAST-Rev.A **Manufacturer:** Resinify Technology LLC — Detroit, MI

Product Description

CleanCast is a high-precision castable material designed to deliver fine print details and fast printing speeds. With a 20% powder wax content, CleanCast offers excellent results with a standard wax burnout cycle, compatible with regular gypsum investment. The addition of nano-wax ensures a clean burnout process — the nano-wax dissolves first, allowing the resin to burn off smoothly without excessive expansion. This makes CleanCast an ideal choice for jewelry makers, dental professionals, and engineers who require high-quality, reliable material for precise and intricate designs.

Key Properties

Property	Value
Viscosity	4,200 cps
Tensile Strength	14.8 MPa (ISO 527-1)
Elongation at Break	6.3% (ISO 527-01)
Density	1.32 g/cm³ (ISO 1183-1)
Hardness (Shore D)	80 (ISO 868)
Ignition Temperature	300°C (53765)

Applications

- Jewelry — fine jewelry pieces with intricate designs and sharp details.
- Dental — dental castings, including crowns, bridges, and models.
- Prototyping — rapid prototyping with high precision for engineers and designers.

Recommended Printer Platforms: SLA, DLP, mSLA. Manufactured by Resinify Technology LLC, Detroit, Michigan, USA. Complies with relevant industry standards for 3D printing and casting.

Full Technical Specifications

Property	Value	Method
Viscosity	4,200 cps	—
Tensile Strength	14.8 MPa	ISO 527-1
Elongation at Break	6.3%	ISO 527-01
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Storage & Handling

- Store in a cool, dry place, away from direct sunlight.
- Shake well before use to maintain consistency in material quality.
- Wear gloves and ensure proper ventilation when handling uncured material.

Safety

- Nano-Wax Technology ensures a clean burnout process without excessive expansion.
- Refer to the Resinify CleanCast SDS for full first-aid and disposal information.

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.