Resinify JewelCast

Jewelry Direct Investment Casting Resin

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

Product Description

JewelCast is an advanced material designed for direct investment casting in the jewelry market. With excellent burnout properties and exceptional detail retention, JewelCast ensures sharp, high-quality prints that are perfect for producing intricate and precise jewelry pieces. JewelCast produces parts that evaporate cleanly at moderate burn-out temperatures, offering extremely low thermal expansion, ensuring flawless casting results.

Key Properties

Property	Value
Viscosity	361.7 mPa·s
Tensile Strength	16.8 MPa (ISO 527-1)
Elongation at Break	7.46% (ISO 527-1)
Flexural Strength	23.0 MPa (ISO 178)
Density	1.178 g/cm³ (ISO 1183-1)
Hardness (Shore D)	69 (ISO 868)

Applications

- Jewelry — investment casting of rings, necklaces, pendants, and intricate designs.
- High-Precision Casting — sharp detail and smooth surface finish.
- Fine Jewelry Production — for jewelry makers who demand precision and durability.

Recommended 3D Printer Compatibility: SLA, DLP, mSLA. Manufactured by Resinify Technology LLC, Detroit, Michigan, USA. Designed for use in professional jewelry casting.

Full Technical Specifications

Property	Value	Method
Viscosity	361.7 mPa·s	—
Tensile Strength	16.8 MPa	ISO 527-1
Elongation at Break	7.46%	ISO 527-1
Flexural Strength	23.0 MPa	ISO 178
Flexural Modulus	404.0 MPa	ISO 178
Bending Strain	10.2%	ISO 180
Izod Impact (Notched)	11.03 kJ/m²	ISO 180
Density	1.178 g/cm³	ISO 1183-1
Hardness (Shore D)	69	ISO 868
Ignition Temperature	350°C	—

Storage & Handling

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

Safety

- Exceptional burnout properties: evaporates cleanly at moderate temperatures without reacting with investment.
- Refer to the Resinify JewelCast 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.