Resinify CeramixCast

Jewelry Investment Casting Resin

Revision: Rev. A (rebrand)

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Manufacturer: Resinify Technology LLC — Detroit, MI

Product Description

CeramixCast Resin represents the pinnacle of precision for investment casting applications. Specially engineered for direct investment casting, it combines exceptional burnout properties and superior surface finish, making it the ideal choice for jewelry and other high-value applications. Whether creating intricate jewelry pieces or exploring technical applications, CeramixCast delivers both high precision and outstanding aesthetics.

Key Properties

Property	Value
Viscosity	361.7 MPa
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 Shore (EN ISO 868)

Applications

- Jewelry Market — high-quality, intricate jewelry parts with precision; standard burnout procedures and high-speed building make it a go-to material for jewelry manufacturers.
- Beyond Jewelry — technical functionality meets artistic needs, suitable for other high-precision applications.
- Optimal for precious metal castings such as rings, pendants, and more; low thermal expansion for high-value applications.

Colors Available: Amber, Green. Manufactured by Resinify Technology LLC, Detroit, Michigan, USA. Complies with industry standards for 3D printing and casting materials.

Full Technical Specifications

Property	Value	Method
Viscosity	361.7 MPa	—
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
Flexural Strain	10.2%	ISO 178
Izod Impact – Notched	11.03 kJ/m²	ISO 180
Density	1.178 g/cm³	ISO 1183-1
Hardness (Shore D)	69 Shore	EN ISO 868
Ignition Temperature	350°C	53765

Storage & Handling

- Store in a cool, dry place, away from direct sunlight.
- Shake well before use to ensure even distribution of the material.
- Wear gloves and work in a well-ventilated area when handling uncured material.

Safety

- Excellent burnout properties: parts evaporate gracefully during burnout at moderate temperatures, with no adverse reactions with investment materials, resulting in castings free from porosity.
- Refer to the Resinify CeramixCast 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.