

RESINIFY
TECHNOLOGY

THE ULTIMATE 3D PRINTING SOLUTION

YOUR TRUSTED
PARTNER
FOR **ADVANCED**
3D PRINTING



CASTING

RESIN MODELS CATALOGUE



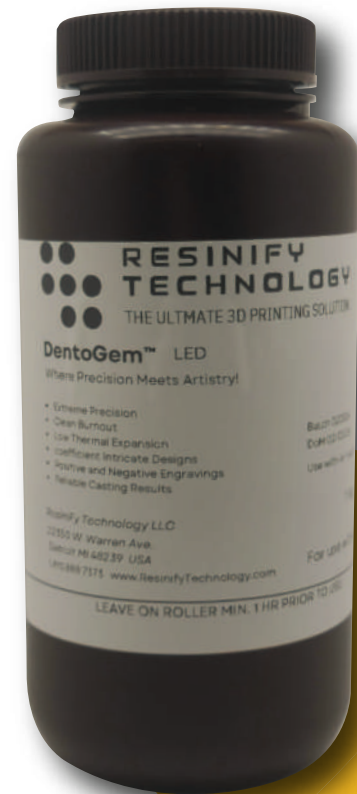
CleanCast

CleanCast is a high-precision castable material containing 20% powder wax, designed for fine print details and fast printing speeds. It ensures a standard wax burnout cycle with regular gypsum investment, aided by nano-wax for clean burnout without excessive expansion. Perfect for jewelry makers, dental professionals, and engineers needing precise designs

MATERIAL PROPERTIES VALUES

- Tensile strength of 14.8 MPa.
- Ignition temperature of 300°C.
- Density of 1.32 g/cm³.
- Comes in a green color.

DentoGem



For Artistic Jewelers:

- **Intricate Designs:** DentoGem™ lets your imagination run wild. Create delicate rings, captivating pendants, and more.
- **Positive and Negative Engravings:** Capture every detail, from intricate filigree to bold textures.
- **Reliable Casting Results:** DentoGem™ ensures your jewelry pieces shine, reflecting your passion and craftsmanship.

Why Choose DentoGem™?

- **Versatility:** Seamlessly transition from dental precision to jewelry finesse.
- **Quality:** Superior surface finish for stunning aesthetics.
- **Innovation:** Stay ahead with a material that bridges tradition and modernity.

Elevate your practice. Spark your creativity. Choose DentoGem™—where science meets art, and brilliance is cast.



JewelCast

JewelCast is an advanced material for jewelry casting, offering superior burnout properties, high-quality builds, and precise detail. It evaporates at moderate temperatures without affecting the investment, and has minimal thermal expansion. Ideal for jewelry makers needing reliable, high-quality material for intricate designs, JewelCast ensures unique and standout pieces.

MATERIAL PROPERTIES VALUES

Viscosity 361.7 cP at 30°C

Density 1.178 g/cm³ at 25°C

Ignition Temperature 350°C

Color Green

KEY FEATURES Extremely low thermal expansion Moderate burn out temperature.



CeramixCast

Key Features:

1. Excellent Burnout Properties:

- o During the burnout process, parts made from CeramixCast gracefully evaporate at moderate temperatures.
- o No adverse reactions with investment materials ensure a casting free from porosity.

2. Optimal for Precious Metal Castings:

- o Craft intricate and precise precious metal castings with confidence.
- o Low thermal expansions make it ideal for jewelry and other high-value applications.

3. Superior Surface Finish:

- o CeramixCast delivers extremely smooth surfaces, elevating the aesthetics of your creations.

Material Properties (Tested per ASTM Standards):

- Viscosity: 361.7 MPa (DIN 1342-2)
- Tensile Strength: 16.8 MPa (DIN EN ISO 527-1)
- Elongation at Break: 7.46% (DIN EN ISO 527-1)
- Flexural Strength: 23.0 MPa (DIN EN ISO 178)
- Flexural Modulus: 404.0 MPa (DIN EN ISO 178)
- Bending Strain: 10.2% (DIN EN ISO 178)
- Izod Impact - Notched: 11.03 kJ/m² (DIN EN ISO 180)
- Density: 1.178 g/cm³ (DIN ISO 1183-1)
- Hardness (Shore D): 69 Shore (DIN EN ISO 868)
- Ignition Temperature: 350°C (DIN 53765)

WaxCast is an innovative material designed for fast and precise printing of castable models, boasting the highest wax content in 3D printing. Its photopolymer composition yields exceptionally sharp features, enhanced by special hardeners for intricate designs. Ideal for jewelry makers, dental professionals, and engineers seeking reliable, high-quality material for precise creations, WaxCast ensures impressive results for clients and customers alike.

MATERIAL PROPERTIES VALUES

Viscosity 200 cP at 30°C

Density 1.08 g/cm³ at 25°C

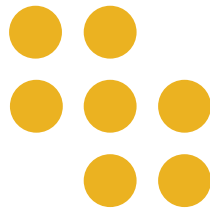
Color Yellow

KEY FEATURES

Highest wax content in 3D printing
Excellent for small and large features
No ash content



WaxCast



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Resinify Technology, a dynamic start-up based in Michigan, proudly embodies the spirit of innovation. As a diverse company, we thrive on creativity and collaboration. Our entire production process, from research and development (R&D) to rigorous testing, takes place under one roof. This integrated approach ensures uncompromising quality in every resin formulation we create. Whether it's for dental modeling, jewelry casting or engineering, Resinify Technology empowers our clients to achieve remarkable results in their manufacturing processes..



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