Technical Data Sheet (TDS) – CleanCast

Product Overview

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 Applications

- **Jewelry** – Ideal for creating **fine jewelry** pieces with **intricate designs** and **sharp details**.
- **Dental** – Perfect for **dental castings**, including **crowns, bridges, and models**.
- **Prototyping** – For engineers and designers who require rapid prototyping with high precision.

Material Properties

Property	Value	Test Method
Viscosity	4,200 cps	
Tensile Strength	14.8 MPa	ISO 527-1
Elongation at Break	6.3%	ISO 527-01
Density	1.32 g/cm^3	ISO 1183-1
Hardness (Shore D)	80	ISO 868
Ignition Temperature	300°C	53765

Key Features & Benefits

- **Nano-Wax Technology** – Ensures a **clean burnout process** without excessive expansion.
- **High-Resolution Printing** – Delivers **sharp details** with **fine features**.
- **Fast Printing Speeds** – Optimized for **speed and accuracy**, enhancing productivity.
- **Reliable Performance** – Ideal for **casting** with **standard wax burnout cycles**.

Recommended Printer Platforms

- **SLA**
- **DLP**
- **mSLA**

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.

Regulatory Compliance

✓ **Manufactured by Resinify Technology LLC, Detroit, Michigan, USA**
✓ **Complies with relevant industry standards** for 3D printing and casting.