MD600

Dental Model Resin

Revision: Rev. A (supersedes v.3, 03.08.2025)

Document ID: RES-TDS-DENT-MD600-Rev.A

Manufacturer: Resinify Technology LLC — Detroit, MI

Product Description

MD600 is a product specifically designed for use in 3D printing dental models. Its balanced composition provides excellent performance characteristics, making it an ideal choice for creating highly detailed and durable dental models.

Key Properties

Property	Value
Appearance	Clear liquid
Density at 25°C	1.1032 g/mL
Refractive Index at 25°C	1.5
Viscosity at 25°C	130 mPa·s (cPs)
Molecular Weight	304 g/mol
Surface Tension at 20°C	37.9 mN/m
Color (Pt/Co or APHA)	<200

Applications

- Highly detailed dental models
- Prototyping and final model production
- Crown and bridge removable die models
- Implant analog models
- Wax-up models
- Thermoforming models for orthodontic aligners

Full Technical Specifications

Property	Value	Method
Appearance	Clear liquid	—
Functionality	2	—
Color (Pt/Co or APHA)	<200	—
Density at 25°C	1.1032 g/mL	—
Refractive Index at 25°C	1.5	—
Viscosity at 25°C	130 mPa·s (cPs)	—
Molecular Weight	304 g/mol	—
Surface Tension at 20°C	37.9 mN/m	—

Storage & Handling

- Store in a dark environment when not in use.
- Compatible with DLP and mSLA 3D printers for fast, rapid printing.

Safety

- Always wear gloves when handling uncured material and alcohol.
- Ensure proper ventilation when using the material.

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.