

Technical Specifications Resinify BasePro Performance (TDS)

Technical Properties

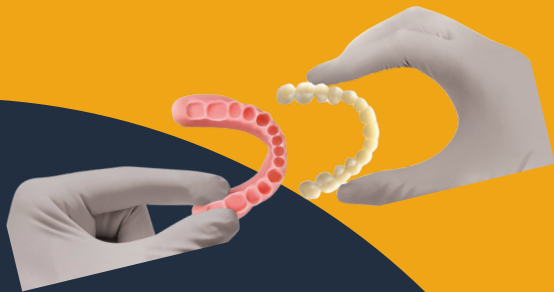
- Flexural Strength: ≥ 120 MPa (ISO 20795-1)
- Flexural Modulus: ≥ 2800 MPa
- Fracture Work: ≥ 1300 J/m²
- Water Sorption: ≤ 32 $\mu\text{g}/\text{mm}^3$
- Solubility: ≤ 1.2 $\mu\text{g}/\text{mm}^3$
- Biocompatibility: ISO 10993, ISO 20795-1
- Shore D Hardness: 85–88
- Glass Transition Temperature (T_g): ~ 110 °C

Processing Parameters

- Layer Thickness: 50–100 μm
- Wash: 2 $\times$ IPA $>96\%$ (≤ 5 min, ≤ 2 min)
- Post-Cure: Otoflash 2 $\times$ 3000 flashes (N₂) OR CUREbox Plus 2 $\times$ 25 min @ 50 °C OR Dreve PCU LED N₂ 18 min
- Storage: 10–30 °C, protect from light
- Shelf Life: 24 months (unopened)
- Transport: Non-flammable liquid, non-regulated under ADR/RID/IMDG/IATA



5 colors to match natural gingiva



Product Description

- Category: Biocompatible denture base resin
- Technology: DLP / LCD (385–405 nm)
- Application: Full denture bases
- Colors: Light Pink, Medium Pink, Dark Pink, Dark Meharry
- Sizes: 500g / 1000g bottles
- Made in USA – Resinify Technology LLC, Detroit, Michigan

Key Benefits

- High flexural strength (≥ 120 MPa) – up to 70% stronger than ISO 20795-1 minimum.
- Nanoceramic reinforcement for esthetics & durability.
- Low wear rate (≤ 0.02 mm³ at 400k cycles).
- Moisture-resistant, color-stable, and natural gingiva shades.
- Validated on industry-standard curing systems (Otoflash, CUREbox, Dreve PCU LED).

Product Overview:

- **Product Name:** Resinify BasePro™
- Biocompatible light-curable resin designed for the 3D printing of removable full denture bases. Engineered to deliver strength, esthetics, and reliability



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Updated 02/2025 V.3

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