

# Premium Teeth Resin

For strong life-like denture teeth and temporary restorations

Premium Teeth Resin is a nano-ceramic filled biocompatible material with enhanced aesthetics, mechanical properties, and validated longevity to guarantee optimal clinical performance. 3D print denture teeth, temporary full-arch implant-supported restorations (All-on-X appliances), temporary single units (crowns, inlays, onlays, and veneers) and up to seven-unit bridges without compromising on intraoral mechanics, life-like aesthetics, and simplified workflows.

**Temporary Single-units (crown, inlays, onlays, veneers) and Bridges (up to 7-units)**

**Temporary Full-Arch Implant-Supported Restorations (All-on-X Appliances)**

**Denture Teeth for Full and Partial Removable Dentures**

**Try-in Dentures**



**FLPTA201**

**FLPTA301**

**FLPTB101**

**FLPTBL01**

\* May not be available in all regions

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To the best of our knowledge the information contained herein is accurate. However, Formlabs, Inc. makes no warranty, expressed or implied, regarding the accuracy of these results to be obtained from the use thereof.

## Material Properties

HT (High Translucency): A2, A3, B1, BL

Mechanical Properties	Post-Cured <sup>1,2</sup>	Method
Flexural Strength	155 MPa	ASTM D790
Flexural Modulus	4300 MPa	ASTM D790
Hardness	90 D	ASTM D2240
Sorption	36.2 µg/mm <sup>3</sup>	ISO 10477:2018
Solubility	1.1 µg/mm <sup>3</sup>	ISO 10477:2018
Opacity at 1 mm thickness	54%	-
Density	1.23 g/mL	-
Viscosity	1100 cP @ 25 °C 450 cP @ 35 °C	-

Premium Teeth Resin has been evaluated in accordance with ISO 10993-1:2018, Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process, and ISO 7405:2018, Dentistry - Evaluation of biocompatibility of medical devices used in dentistry, and passed the requirements for the following biocompatibility risks:

ISO Standard	Description <sup>3</sup>	
ISO 10993-5:2009	Cytotoxicity	Passed
ISO 10993-23:2021	Irritation	Passed
ISO 10993-10:2021	Sensitization	Passed
ISO 10993-11:2017	Toxicity	Passed
ISO 10993-3:2014	Genotoxicity	Passed

The product was developed and is in compliance with the following ISO Standards:

ISO Standard	Description
EN ISO 13485:2016	Medical Devices – Quality Management Systems – Requirements for Regulatory Purposes
EN ISO 14971:2012	Medical Devices – Application of Risk Management to Medical Devices

<sup>1</sup> Material properties may vary based on part geometry, print orientation, print settings, temperature, and disinfection or sterilization methods used.

<sup>2</sup> Data was obtained from parts printed using Form 3B(+), 50 µm, Premium Teeth Resin settings, and using post-processing instructions listed in the Premium Teeth Resin Manufacturing Guide.

<sup>3</sup> Premium Teeth Resin was tested at NAMSA World Headquarters, OH, USA.