

Denture Base Resin

Long-lasting denture base material for truly lifelike permanent prosthetics

Denture Base Resin is a Class II long-term biocompatible material to enable dental professionals to produce 3D printed denture bases accurately and reliably. Denture Base Resin can be bonded to Premium Teeth Resin to create full or partial dentures with lifelike aesthetics.

**FLDBLP01****FLDBOP01****FLDBDP01**

* 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	METRIC ¹	METHOD
	Post-Cured ²	
Mechanical Properties	METRIC ¹	METHOD
Flexural Strength	> 50 MPa	ISO 10477
Density	1.15 g/cm ³ < X <1.25 g/cm ³	ASTM D792-00

Denture Base resin was tested for biological evaluation of medical devices at WuXi Apptec, 2540 Executive Drive, St. Paul, MN, and is certified biocompatible per EN-ISO 10993-1:2009/ AC:2010:

ISO Standard	Description
EN-ISO 10993-3:2014	Not mutagenic
EN-ISO 10993-5:2009	Not cytotoxic
EN-ISO 10993-10:2010	Not an irritant
EN-ISO 10993-10:2010	Not a sensitizer
EN-ISO 10993-11:2006	Non toxic

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

Denture Base ISO Standards	Description
EN-ISO 22112:2017	Dentistry - Artificial teeth for dental prostheses
EN-ISO 10477	Dentistry - Polymer-based crown and veneering materials (Type 2 and Class 2)

¹ Material properties can vary with part geometry, print orientation, print settings, and temperature.

² Data refers to post-cured properties obtained after exposing green parts to 108 watts each of Blue UV-A (315 – 400 nm), in a heated environment at 80 °C (180 °F) and 1hr, with six (6) 15W/78 lamps (Dulux Blue UV-A)