

Denture 3D+

Let us print your part!¹



NextDent Denture 3D+ material is a biocompatible Class IIa material suitable for printing all types of removable denture bases. This material has low shrinkage compared to standard PMMA denture base materials, which results in excellent fitting customized denture bases for a natural looking appliance. E-Denture 3D+ has excellent mechanical properties comparable to conventional denture base materials.

Complies with the following ISO 10993-1 standards for biocompatibility:

Non-cytotoxic, non-mutagenic, does not induce any erythema or edema reactions, is not a sensitizer, and does not cause systemic toxicity.

Material Properties ²	
Description	Value
Flexural strength	84 MPa
Flexural modulus	2383 MPa
Water sorption	28 µg/mm ³
Water solubility	0.1 µg/mm ³
Residual monomer	<0.1 %
Color available	Translucent Pink

Recommended 3D Printer Family ³
Perfactory Family, Desktop Family, cDLM Family

¹ Learn more at EnvisionTEC.com/printmypart

² All data provided is preliminary and must be verified by the individual user

³ May not be suitable for all machine models within a 3D printer family. Please refer to specific model online for compatibility.

NextDent Denture 3D+

HANDLING

For safe handling information on this product, consult the Safety Data Sheet (SDS)

Directions for Use

1. This product is light sensitive; exposure to daylight, UV light or artificial lighting should be kept to a minimum during storage and handling
2. Shake or stir the material well before use due to the possibility that the colorants may separate or precipitate over long storage periods
3. For best 3D printing: Mix the 3D resin before each print. Do not leave resin in printer when not in use. Filter the resin after each 3D print before reuse
4. Excess material can be easily wiped away with non-polar solvents.

Storage

Store product in a cool, dry location, in unopened containers at a temperature between 8°C and 28°C unless otherwise labeled. To prevent contamination of unused product, do not return any material to its original container.



DISCLAIMERS

The product for which the data provided herein are furnished for informational purposes only and are believed to be accurate and reliable. Nevertheless, EnvisionTEC cannot and will not assume responsibility for the results obtained by others over whose production methods we have no control. thus, it is the user's responsibility to determine the suitability of this product for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling, storage, disposal and use thereof. In light of the foregoing, EnvisionTEC specifically disclaims any and all warranties expressed or implied, including warranties of merchantability, fitness for a particular purpose and free from claims of third party patent infringement, arising from the sale, possession, handling, storage, disposal, transportation or use of this product.

EnvisionTEC specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. Neither the product, nor the data or discussion herein of various processes for which, are to be interpreted as an express or implied license under any EnvisionTEC patents. EnvisionTEC recommends that any and all proposed commercial application(s) using this product be evaluated for reproducibility in the exact manner and on the production equipment with which it is intended to be used before repetitive commercial production use, using this data as a guide.

envisionTEC

Gladbeck, Germany • Dearborn, Michigan