

BEGO™ VarseoSmile® TriniQ® Resin

BEGO™ VarseoSmile® TriniQ® Resin is a versatile ceramic-filled biocompatible material, indicated for temporary and permanent single units (crowns, inlays, onlays, and veneers) and bridges, and denture teeth.

BEGO™ VarseoSmile® TriniQ® is the first 3D-printed resin indicated for permanent bridges and has excellent accuracy, translucency, and an efficient workflow.

Permanent Single-units (crown, inlays, onlays, veneers), Bridges (up to 3-units), and Implant Crowns

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

Denture Teeth for Full and Partial Removable Dentures



BGTQA201 BGTQA301 BGTQB101

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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 DATA

BEGO™ VarseoSmile® TriniQ® Resin

	Post-Cured	Method
Mechanical Properties ^{5,6}		
Flexural Strength	120 MPa	ISO 10477:2020
Flexural Modulus	3600 MPa	ISO 10477:2020
Hardness	≥ 90 D	ISO 868:2003
Sorption	< 0.6 µg/mm ³	ISO 10477:2020
Solubility	< 12 µg/mm ³	ISO 10477:2020
Density @ 20 °C	1.29 g/cm ³	-
Viscosity @ 22 °C	3300 cP	-

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

² Data for post-cured samples were verified and validated by BEGO™ for compatible Formlabs equipment using post-processing instructions listed in the BEGO™ VarseoSmile® TriniQ® Resin Instructions for Use.

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

ISO Standard	Description ³
ISO 10993-1:2018	Biological safety confirmed
ISO 10993-5:2009	Not cytotoxic
ISO 10993-10:2010	Not a sensitizer
ISO 10993-18:2009	No critical observations
ISO 10993-23:2021	Not an irritant

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

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