DENTAL RESIN

formlabs

BEGO™ VarseoSmile® TriniQ® Resin

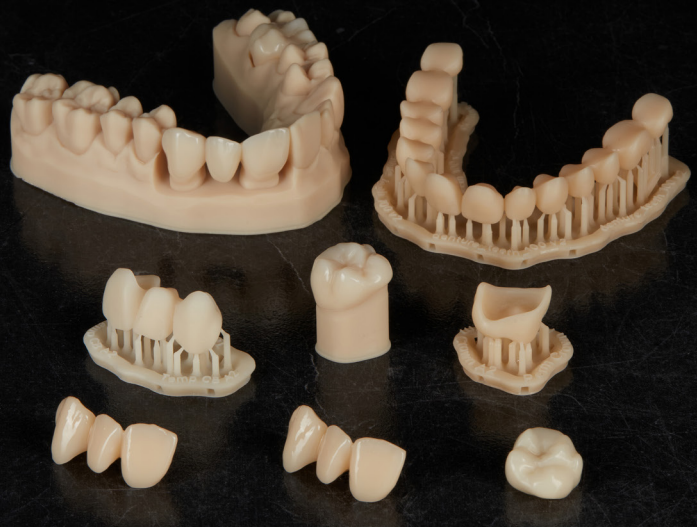
BEGO™ VarseoSmile® TriniQ® Resin is a versatile ceramic-filled biocompatibile material, indicated for temporary and permanent single units (crowns, inlays, onlays, and veneers) and bridges, and denture teeth.

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



V1 **BGTQA201 BGTQA301 BGTQB101**

Prepared 23 . 07 . 2024

Rev. **01** 23 . 07 . 2024

MATERIAL PROPERTIES DATA **BEGO™ VarseoSmile® TriniQ® Resin**

	Post-Cured	Method
Mechanical Properties [1, 2]		
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
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