DENTAL RESIN formlabs ₩

BEGO™ VarseoSmile® TriniQ® Resin

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

BEGO $^{\text{TM}}$ VarseoSmile $^{\circ}$ TriniQ $^{\circ}$ 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

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/mm³	ISO 10477:2020
Solubility < 12 μg/mm ³	ISO 10477:2020
Density @ 20 °C 1.29 g/cm ³	-
Viscosity @ 22 °C 3300 cP	-

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

BEGOTM 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:

Description ³
Biological safety confirmed
Not cytotoxic
Not a sensitizer
No critical observations
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

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.