

BEGO VARSEO 3D PRINTING MATERIALS

BEGO Varseo 3D printing materials						
	VarseoWax CAD/Cast	VarseoWax Tray	VarseoWax Surgical Guide	VarseoSmile Splint	VarseoWax Model	VarseoSmile Temp
						
Indication	Castable partial denture frames	Individual impression trays	Surgical guides and placement aids for implant prosthetics	Occlusal splints	Full and partial dental models, models with removable dies, solid or hollow in construction	Short- and long-term temporary restorations: crown and bridge constructions with up to seven units, inlays, onlays and veneers
Material	Resin for 3D printing	Resin for 3D printing	Resin for 3D printing	Resin for 3D printing	Resin for 3D printing	Resin for 3D printing
Medical class	–	Class I*	Class I*	Class IIa**	–	Class IIa**
Color	yellow	blue	blue-transparent	clear	yellow-brown	A2, A3, C2***
Modulus of elasticity	≥ 1,500 MPa	≥ 1,500 MPa	≥ 1,500 MPa	≥ 1,000 MPa	≥ 1,500 MPa	≥ 2,000 MPa
Viscosity	600–900 mPa·s	1,100 mPa·s	1,100 mPa·s	400–600 mPa·s	1,100 mPa·s	2,500–6,000 mPa·s
Notched impact strength	–	≥ 3 kJ/m ²	≥ 3 kJ/m ²	–	≥ 3 kJ/m ²	–
Density at 22 °C	1.08 g/cm ³	ca. 1.12 g/cm ³	ca. 1.12 g/cm ³	ca. 1.0–1.1 g/cm ³	ca. 1.12 g/cm ³	ca. 1.4–1.5 g/cm ³
Layer thickness	50 µm	100 µm	100 µm	50 µm	50 µm	50 µm
Thermal stability at 55 °C	1,8 MPa	–	–	–	–	–
Flexural strength	≥ 50 MPa	≥ 50 MPa	≥ 50 MPa	≥ 30 MPa	≥ 50 MPa	≥ 80 MPa
Strain after fracture	–	–	–	≥ 15 %	–	–
Residual ash content	≤ 0.1 % at 700 °C	–	–	–	–	–
Wavelength	405 nm	405 nm	405 nm	405 nm	405 nm	405 nm
REF	41000	41013	41012	41050	41010	41022 (A2), 41023 (A3), 41024 (C2)
Presentation	1 kg Bottle	1 kg Bottle	1 kg Bottle	1 kg Bottle	1 kg Bottle	500 g Bottle

* Class I medical device as defined by Directive 93/42/EEC

** Class IIa medical device as defined by Directive 93/42/EEC

*** VITA classical color system (VITA is a commercial designation/registered trademark of a company which is not part of the BEGO company group.)
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