

# RODIN Sculpture

## Technical data sheet

Property	Result	Testing Protocols
Tooth Shades	BL3, B1, A1, A2, A3, C2	N/A
Density	1.55 - 1.65 g/cm <sup>3</sup>	N/A
Viscosity	1100 - 1500 cP	N/A
Flexural Strength	160 - 182 MPa	BUGSDM*
Flexural Modulus	6500 MPa	BUGSDM*
Fracture Toughness	1.4 ± 0.12 MPa m <sup>½</sup>	ISO 20795-1: 2013*
Wear Rate (wt)	1.4 mg/million cycles	BUGSDM*
Wear Rate (ht)	0.11 mm/million cycles	BUGSDM*
Hardness	≥ 95 Shore D	ASTM D2240
Water Solubility	< 1 µg/mm <sup>3</sup>	ISO 4049: 2019
Water Sorption	< 14.5 µg/mm <sup>3</sup>	ISO 4049: 2019
Opacity	62% @ 1mm thickness	N/A
Radiopacity	200	ISO 13116: 2014
Layer Thickness	50 µm	N/A
Wavelength	385/405 nanometer	N/A
Biocompatibility	Non-Cytotoxic - Comply	ISO 10993-1
Biocompatibility	Non-Mutagenic - Comply	ISO 10993-1
Biocompatibility	Sensitivity - Comply	ISO 10993-1
Biocompatibility	Induced Reactions - Comply	ISO 10993-1
Biocompatibility	Systemic Toxicity - Comply	ISO 10993-1

\*performed by Boston University Henry M. Goldman School of Dental Medicine