

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 ³	N/A
Viscosity	1100 - 1500 cP	N/A
Bi-Axial Flexural Strength	160 - 182 MPa	ISO 6872: 2015
Bi-Axial Flexural Modulus	6500 MPa	ISO 6872: 2015
Fracture Toughness	1.8 ± 0.12 MPa m ^½	**20795-2: 2013
Work of Fracture	697 ± 218 (J/m ²)	**20795-2: 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 ³	ISO 4049: 2019
Water Sorption	< 14.5 µg/mm ³	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

**Testing performed by Boston University Goldman School of Dental Medicine