

RODIN Sculpture 2.0

Technical data sheet

Property	Result	Testing Protocols
Tooth Shades	BL3, B1, A1, A2, A3, C2	N/A
Density	1.78 - 1.82 g/cm ³	N/A
Viscosity	3000 - 4500 cP	N/A
Bi-Axial Flexural Strength	184 - 200 MPa	**ISO 6872: 2015
3pt Bend-Flexural Strength	160 - 195 MPa	**ISO 10477:2004
3pt Bend-Flexural Modulus	11700 - 14400 MPa	ISO 10477:2004
Fracture Toughness	2.9 ± 0.5 MPa m ^{1/2}	20795-2: 2013
Work of Fracture	818 ± 146 (J/m ²)	20795-2: 2013
Vickers Hardness	44	**ISO 6507
Water Solubility	< 1 µg/mm ³	ISO 4049: 2019
Water Sorption	< 15 µg/mm ³	ISO 4049: 2019
Opacity	<70% @ 1mm thickness	N/A
Radiopacity	>250	ISO 13116: 2014
Layer Thickness	50 -100µm	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

all samples cured with Otofash at 5000flashes

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