

# RODIN BioArch

## Technical Data Sheet

Property	Result*	Testing Protocols
Viscosity ( cP)	2000 - 2500	25 °C
Flexural Strength (MPa)	42.0 - 45.0	ISO 20795-1: 2013
Flexural Modulus (MPa)	600 - 670	ISO 20795-1: 2013
Tensile Strength (MPa)	36.0 - 38.0	ASTM D638-10
Tensile Modulus (MPa)	250 - 300	ASTM D638-10
Fracture Toughness (Kmax)	2.3 - 3.0	ISO 20795-1: 2013
Work of Fracture (J/m <sup>2</sup> )	8000 - 9000	ISO 20795-1: 2013
Hardness	≥ 95 Shore D	ASTM D2240
Water Solubility (µg/mm <sup>3</sup> )	< 1	ISO 4049: 2019
Water Sorption (µg/mm <sup>3</sup> )	< 5	ISO 4049: 2019
Layer Thickness (µm)	50	N/A
Wavelength (nm)	385/405	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

\* post-processing in Otofash for 5000 flashes