

RODIN Denture Base 2.0

Technical Data Sheet

Property	Result*	Testing Protocols
Viscosity (cP)	1300 - 2400	25 °C
Flexural Strength (MPa)	114 - 130	ISO 20795-1: 2013
Flexural Modulus (MPa)	2063 - 2826	ISO 20795-1: 2013
Tensile Strength (MPa)	98 -107	ASTM D638-10
Tensile Modulus (MPa)	600 - 800	ASTM D638-10
Fracture Toughness (Kmax)	3.9 - 4.8	ISO 20795-1: 2013
Work of Fracture (J/m ²)	5369 - 5640	ISO 20795-1: 2013
Hardness	≥ 95 Shore D	ASTM D2240
Water Solubility (µg/mm ³)	< 1	ISO 4049: 2019
Water Sorption (µg/mm ³)	< 15	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