

RODIN Titan

Technical data sheet

Property	Result	Testing Protocols
Tooth Shades	BL, B1, A1, A2	N/A
Density	1.55 - 1.62 g/cm ³	N/A
Viscosity	800 - 1200 cP	N/A
Flexural Strength	113 - 129 MPa	ISO 10477:2004
Flexural Modulus	2990 - 4500 MPa	ISO 10477:2004
Fracture Toughness	3.7 ± 0.1 MPa m ^{1/2}	20795-2: 2013
Work of Fracture	2284 ± 114 (J/m ²)	20795-2: 2013
Hardness	≥ 95 Shore D	ASTM D2240
Water Solubility	< 1 µg/mm ³	ISO 4049: 2019
Water Sorption	< 20 µg/mm ³	ISO 4049: 2019
Opacity	<70% @ 1mm thickness	N/A
Radiopacity	>200	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

****Post-cured in Otoflash for 5000 flashes**