

# NextDent Ortho Rigid

## Specifications

Property	Requirement	Result	ISO standard
Ultimate flexural strength	≥ 50 MPa	78	ISO 20795-2
Flexural modulus	≥ 1500 MPa	2075	ISO 20795-2
Max. stress intensity factor	≥ 1,1 MPa m <sup>1/2</sup>	1,1	ISO 20795-2
Total fracture work	≥ 250 J/m <sup>2</sup>	262	ISO 20795-2
Sorption	≤ 32 µg/mm <sup>3</sup>	20	ISO 20795-2
Solubility	≤ 5,0 µg/mm <sup>3</sup>	0,8	ISO 20795-2
Residual monomer	≤ 5,0 % (w/w)	< 0,1	ISO 20795-2
Biocompatibility	Non-cytotoxic	Comply	ISO 10993-1
Biocompatibility	Non-mutagenic	Comply	ISO 10993-1
Biocompatibility	Not induce any erythema or edema reactions	Comply	ISO 10993-1

The material is available in 1 Kg containers.