

envisionTEC VALIDATED

NextDent C&B MFH (Micro Filled Hybrid)

Balancing opacity and translucency perfectly

NextDent C&B Micro Filled Hybrid is a biocompatible Class IIa material* developed for crowns and bridges. The balance between inorganic fillers and the resin give the material its high strength and wear resistance.

The material is easy to finish and polish, and can be stained with all types of composite staining kits. Due to the perfect balance between opacity and translucency the printed crown blends in perfectly between the existing teeth. Available in colors BL, N1, N1.5, N2, N2.5, and N3.

Specifications

Property	Requirement	Result	ISO standard
Flexural strength	≥ 50 MPa	107	ISO 10477
Sorption	≤ 60 $\mu\text{g}/\text{mm}^3$	54	ISO 10477
Solubility	$\leq 12,5$ $\mu\text{g}/\text{mm}^3$	5,9	ISO 10477
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
Biocompatibility	Not a sensitizer	Comply	ISO 10993-1
Biocompatibility	Not cause systemic toxicity	Comply	ISO 10993-1

