

# MANIFill Nano

HIGH STRENGTH NANO COMPOSITE  
YOU CAN TRUST

**Strong all-rounder**

Polymer-based Dental  
Restorative Material

**MADE IN GERMANY**



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**MANI**


**MANIFill Nano** – the all-rounder with outstanding mechanical properties! A light-curing nano composite with an ultra-fine, radiopaque glass filler for adhesive filling therapy.

## INDICATIONS

- ▼ Restorations in the anterior and posterior regions of classes I, II, III, IV, and V
- ▼ Inlays, onlays, and veneers
- ▼ Extended fissure sealing for molars and premolars
- ▼ Core build-up
- ▼ Splinting of loosened teeth
- ▼ Shape and color corrections to improve aesthetics

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## PRODUCT FEATURES

- ▼ Excellent mechanical properties
  - ▼ Optimized processing width and easy handling
  - ▼ Low shrinkage
  - ▼ Excellent polishability
  - ▼ High radiopacity
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# STEP BY STEP

## 1 PREPARATION OF THE CAVITY

Clean teeth with fluoride-free polishing paste. Prepare cavity according to adhesive technique. Clean cavity with water spray and dry. Ensure drying, rubber dam recommended.

## 2 APPLY ADHESIVE SYSTEM

Etch and bond the tooth surface according to the manufacturer's instructions.

## 3 COMPOSITE APPLICATION

Place material from syringe or compule into the cavity and model. Maximum layer thickness 2 mm.

## 4 CURING

Expose each layer for 20 seconds using a dental curing light. Hold the light guide as close to the surface as possible.

## 5 FINISHING & POLISHING

After polymerization, finish directly with finishing diamonds, silicone polishers, or polishing brushes. Check occlusion and articulation.

# MANIFill Nano IN COMPARISON

## MEASUREMENTS\*

	MANIFill Nano	Competitor 1	Competitor 2	Competitor 3
E-module <sup>1)</sup>	16575 MPa	12673 MPa	18384 MPa	10300 MPa
Flexural Strength <sup>1)</sup>	157 MPa	159 MPa	144 MPa	116 MPa
Vickers Hardness <sup>1)</sup>	948 MPa	830 MPa	891 MPa	710 MPa
Compressive Strength <sup>1)</sup>	432 MPa	453 MPa	413 MPa	360 MPa

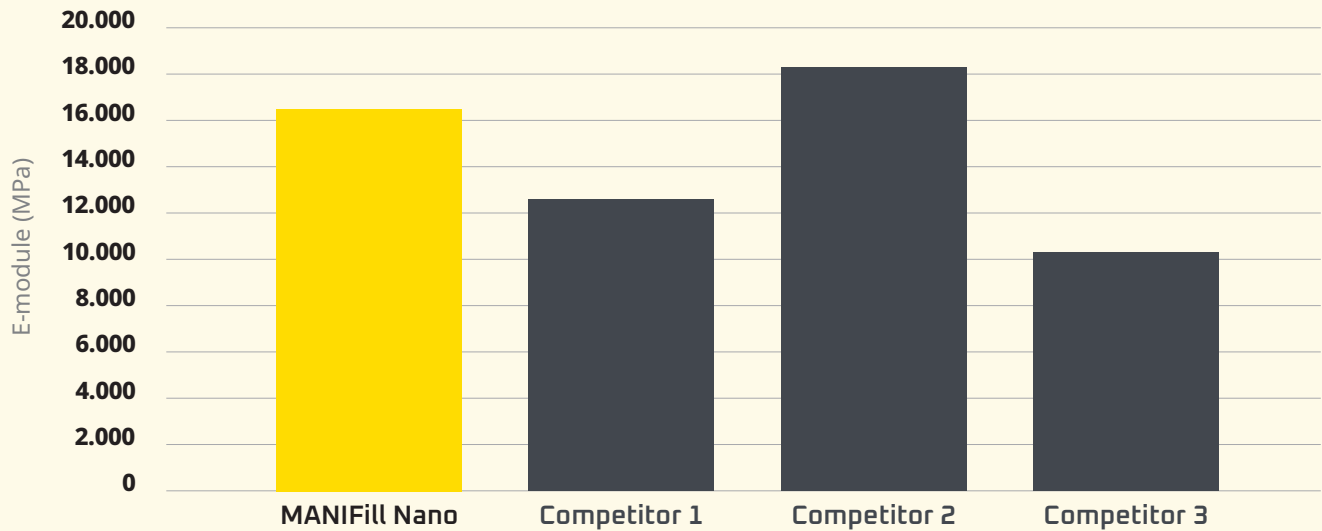
MANIFill Nano impresses with the best measurement values in the comparable market.

<sup>1)</sup> Internal measurement

\* All technical data are average values and may vary slightly in each delivery batch.

# MODULUS OF ELASTICITY

The measurements were performed as internal measurements.



# PHYSICAL DATA\*

Vickers Hardness	Flexural Strength	E-module	Compressive Strength
946 MPa	157 MPa	16575 MPa	432 MPa
Diametric tensile strength	Radiopacity	Vol. Shrinkage	
56 MPa	220%	1.66%	

\* All technical data are average values and may vary slightly in each delivery batch.



Available colors

**A1 / A2 / A3 / A3,5 / B1 / C2 / OD A2 / OD B2**

Content

**4g syringe**

**16 compules of 0.3g = 4.8g**



eIFU ↑



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