

# MANIFill Micro Hybrid

AESTHETICS AT THE HIGHEST LEVEL

Pure aesthetics

Polymer-based Dental  
Restorative Material  
**MADE IN GERMANY**



# MANI

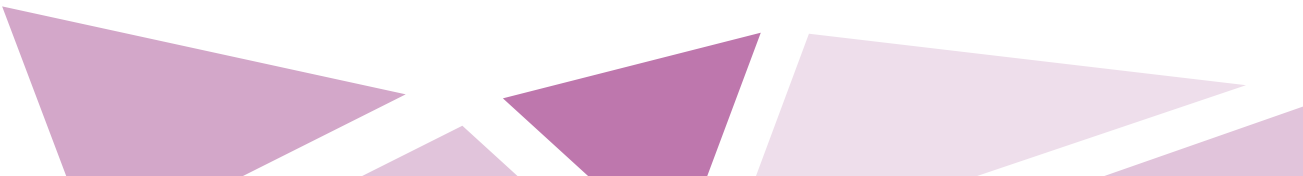
**MANIFill Micro Hybrid Composite** – your premium solution for high-quality aesthetic restorations. Wide range of shades from opaque to highly translucent for optimal adaptation to almost all tooth colors. Also available in our universal Smart Shade.

## INDICATIONS

- ▼ Class I-V restorations
- ▼ 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

---

## PRODUCT FEATURES

- ▼ Highly polishable due to a special particle structure and a smooth, homogeneous surface
  - ▼ Exceptional durability and abrasion resistance
  - ▼ High plaque resistance due to minimal surface roughness
  - ▼ Highly biocompatible and gentle on the gums
  - ▼ **Wide color spectrum for demanding aesthetic restorations**
- 

# STEP BY STEP

## 1 PREPARATION OF THE CAVITY

Clean the tooth structure with fluoride-free polishing paste. Select the shade while the tooth is moist using the Vita® shade guide. Prepare the cavity according to the rules of adhesive technique. Ensure that the cavity is dry (rubber dam recommended).

## 2 PULP PROTECTION & ADHESIVE SYSTEM

Cover deep cavities with calcium hydroxide. Etch and bond according to the manufacturer's instructions.

## 3 COMPOSITE APPLICATION

Apply material from syringe or compule in thin layers (max. 2 mm). Model each layer separately.

## 4 CURING

Cure each layer for 40 seconds with a curing light, holding the light guide close to the surface. Hold the light guide as close as possible to the filling surface.

## 5 FINISHING & POLISHING

Immediately after polymerization, finish and polish. Use finishing diamonds, silicone polishers, and polishing brushes. Check occlusion and articulation.

# MANIFill Micro Hybrid IN COMPARISON

## MEASUREMENTS\*

	MANIFill <sup>Mirco Hybrid</sup>	Competitor 1	Competitor 2	Competitor 3
E-module	11173 MPa <sup>1)</sup>	9389 MPa <sup>1)</sup>	9552 MPa <sup>1)</sup>	10697 MPa <sup>2)</sup>
Flexural Strength	157 MPa <sup>1)</sup>	113 MPa <sup>1)</sup>	123 MPa <sup>1)</sup>	141 MPa <sup>2)</sup>
Vickers Hardness	784 MPa <sup>1)</sup>	606 MPa <sup>1)</sup>	595 MPa <sup>1)</sup>	667 MPa <sup>2)</sup>
Compressive Strength	502 MPa <sup>1)</sup>	400 MPa <sup>1)</sup>	423 MPa <sup>1)</sup>	383 MPa <sup>2)</sup>

MANIFill Micro Hybrid impresses with the best measurements in the comparable market.

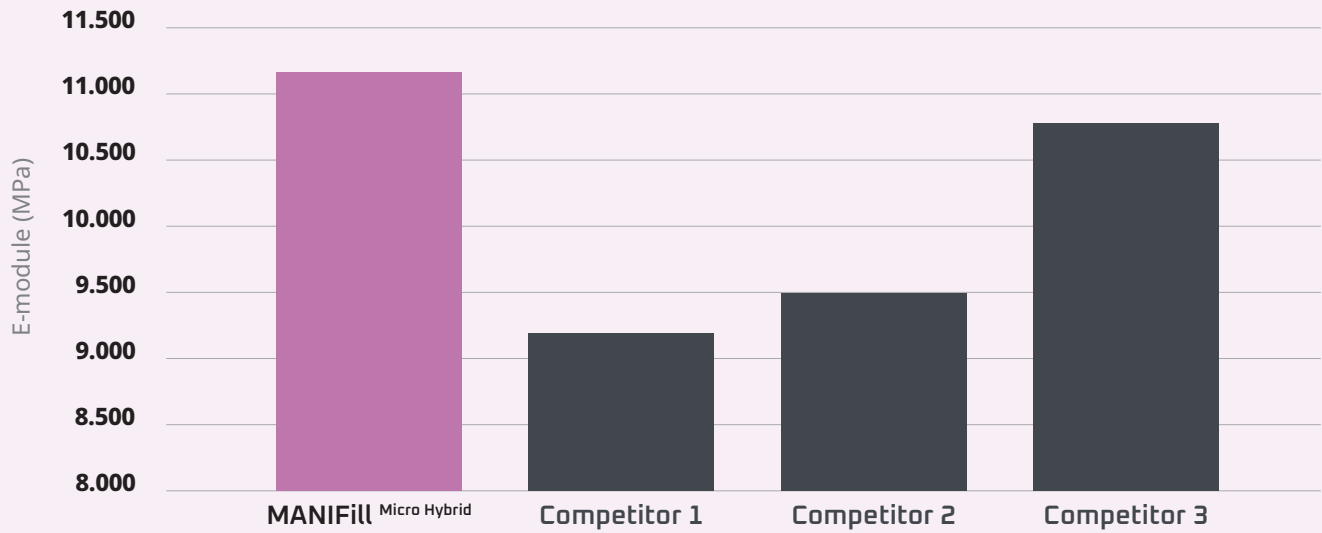
<sup>1)</sup> The measurements were carried out by the Fraunhofer Institute in Dresden.

<sup>2)</sup> Internal measurement.

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

# MODULUS OF ELASTICITY

The measurements were carried out by the Fraunhofer Institute in Dresden.



# PHYSICAL DATA\*

Vickers Hardness	Flexural Strength	E-module
784 MPa	157 MPa	11173 MPa
Compressive Strength	Diametric tensile strength	
502 MPa	56 MPa	

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



eIFU ↑

Available colors

**A1 / A2 / A3 / A3,5 / B1 / C2 / Incisal blue / Incisal clear  
Incisal medium / Incisal red / Incisal white / opaque**

Content

**4g syringe**

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



**MANI MEDICAL GERMANY GmbH**

Hertha-Sponer-Straße 2  
61191 Rosbach v.d. Höhe

info@mani-germany.com  
[www.mani-germany.com](http://www.mani-germany.com)

# MANI