

MANIFill Flow V

HIGH VISCOSITY FLOWABLE COMPOSITE

MANIFill Flow V 77% filler content combines both excellent flowability and high viscosity.

Polymer-based Dental
Restorative Material
MADE IN GERMANY



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HIGH VISCOSITY FLOWABLE COMPOSITE

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MANI

MANIFill Flow V 77% Filler Content combines excellent flowability with high viscosity. It is a highly radiopaque composite for precise and minimally invasive restorations.

INDICATIONS

- ▶ Fissure sealing
- ▶ Class V fillings
- ▶ Minimally invasive fillings for Class I, II, and III cavities
- ▶ Correction of enamel defects
- ▶ Blocking undercuts
- ▶ Minor shape and color corrections to the tooth enamel

PRODUCT FEATURES

- ▶ **Simple and convenient application**
 - ▶ No dripping – simple and highly precise application
 - ▶ Excellent physical properties
 - ▶ Naturally aesthetic restorations
 - ▶ **High biocompatibility, completely Bis-GMA-free**
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STEP BY STEP

1 PREPARATION OF THE CAVITY

Clean with fluoride-free polishing paste.

2 CAVITY PREPARATION

Prepare the tooth structure carefully, bevel the enamel margins in the anterior region, and do not bevel in the posterior region. Clean the cavity with water spray and dry. Drying is necessary; rubber dam is recommended.

3 PULP PROTECTION/ UNDERFILLING

Use calcium hydroxide preparation for very deep cavities.

4 APPROXIMAL CONTACT DESIGN

Apply and secure the transparent matrix.

5 ADHESIVE SYSTEM

Etching and bonding according to manufacturer's instructions.

6 COMPOSITE APPLICATION

Syringe: Attach the application cannula, apply the material directly into the cavity in layers no thicker than 2 mm, avoiding air bubbles.

Compules: Insert the compule into the dispenser, apply the material slowly and evenly into the cavity, maximum layer thickness 2 mm.

7 CURING

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

8 FINISHING & POLISHING

After polymerization, immediately finish and polish, removing early contacts and unwanted articulation paths.

MANIFill Flow V IN COMPARISON

MEASUREMENTS*

	MANIFill Flow V	Competitor 1	Competitor 2	Competitor 3
E-module	12316 MPa ¹⁾	4772 MPa ¹⁾	3748 MPa ¹⁾	8946 MPa ²⁾
Flexural Strength	144 MPa ¹⁾	133 MPa ¹⁾	106 MPa ¹⁾	116 MPa ²⁾
Vickers Hardness	794 MPa ¹⁾	327 MPa ¹⁾	225 MPa ¹⁾	609 MPa ²⁾
Compressive Strength	431 MPa ¹⁾	384 MPa ¹⁾	372 MPa ¹⁾	290 MPa ²⁾
Polymerization shrinkage ²⁾	3,5%	4,1%	4,4%	n/a

MANIFill Flow V impresses with the best measurement values in the comparable market.

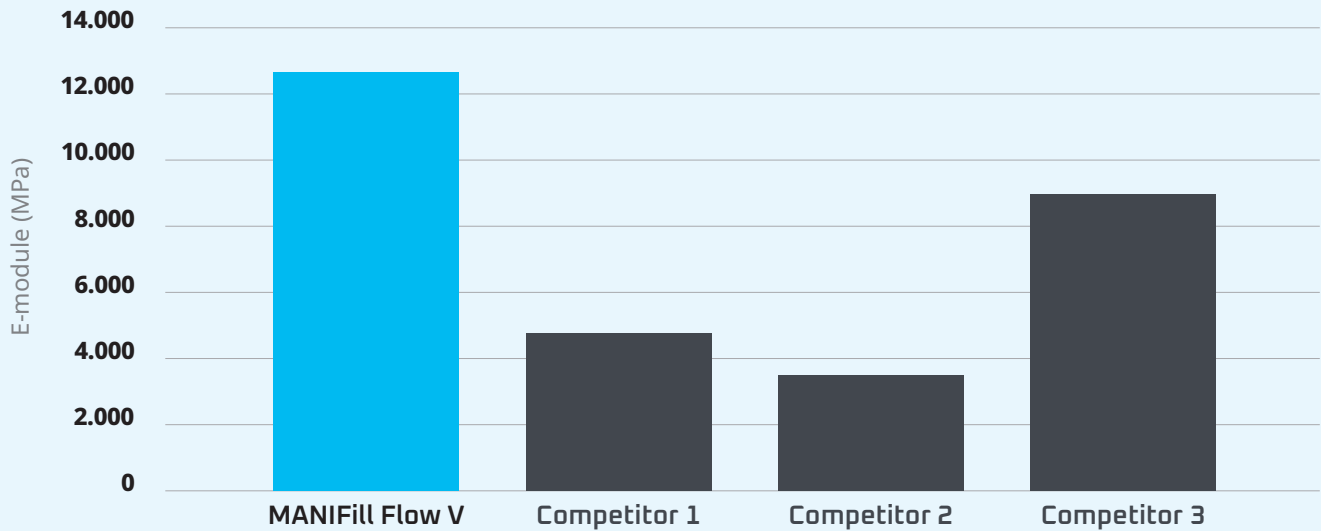
¹⁾ Measurements were carried out by the Fraunhofer Institute in Dresden.

²⁾ 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
794 MPa	144 MPa	12316 MPa
Compressive Strength	Filler Content	Radiopacity
431 MPa	Ca. 77%	210% AI

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



eIFU ↑

Available colors

A1 / A2 / A3 / A3,5 / B1 / Clear / Universal

Content

🔪 **2g syringe incl. 10 application tips**

🔪 **16 compules of 0.25g = 4g**



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