

IvoBase[®] System

The innovative prosthetics system

Precision Dentures –
at the push of a button



Quality denture prosthetics of the future

The innovative prosthetics system

Excellent quality thanks to easy handling

With the IvoBase® System, dentures can be fabricated precisely and fully automatically. The handling is easy and the quality excellent since both the material and the injector are optimally coordinated with each other. Thus, denture bases for conventional prosthetics and implant prosthetics can be fabricated directly in the dental practice.

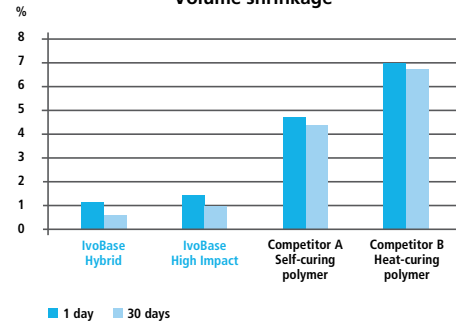




For the clinician

- Economical since the finished work corresponds to the wax-up
- Low volume shrinkage of the dentures
- Space-saving and location-independent

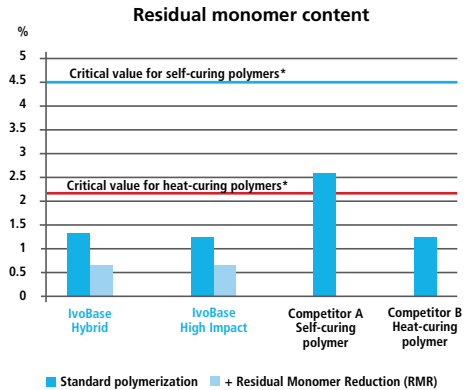
Volume shrinkage



Measurements of the University of Kiel, Prof. Dr Ludwig, 06/2011

For the patient

- Very comfortable to wear due to excellent fit, dimensional stability and surface finish
- Confident feeling due to the low residual monomer content and reduced fracture risk



R&D, Ivoclar Vivadent, Liechtenstein, 10/2011

*According to ISO 20795-1:2013

Highly compatible dentures

Dental materials include residual monomers even after polymerization. If these are absorbed through the skin, an allergic reaction might be triggered.*

The IvoBase materials are very compatible and suitable for the fabrication of high-quality complete dentures and partial dentures with accurate fit. With its low residual monomer content, the material meets the demands placed on heat-curing polymers even as a self-curing polymer.

*Source: Welker, D. (2001). The toxicologic and allergologic risk of dental materials for dental technicians and patients. In: Quintessenz Zahntechnik, 27 (1) 57-62.

Would you like to learn more?

Please ask your dental laboratory or your Ivoclar Vivadent Sales Representative for more information about Ivoclar®
the innovative prosthetics system.

The standard and how Ivoclar lives up to it:

	Specifications Type 2, Class 1 (the standard)	Example for Ivoclar Hybrid	Example for Ivoclar High Impact
Flexural strength MPa	> 60	81	74
Modulus of elasticity MPa	> 1500	2700	2360
Residual monomer content in %	< 4.5	1.4	1.3
Residual monomer content in % with RMR*	–	0.7	0.7
Water absorption µg/mm ³	≤ 32	22.8	21.6
Solubility µg/mm ³	≤ 8.0	< 0.1	< 0.1
Fracture toughness (K _{max}) MPa m ^{1/2}	> 1.9	–	2.37
Tensile energy absorption (W _t) J/m ²	> 900	–	1450

According to ISO 20795-1:2013 Dentistry – Denture base polymers

*Reduction of monomer residue

Production and distribution:

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This product is part of our
"Removable Prosthetics" product category.
All products of this category are optimally
coordinated with each other.

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