

IvoBase[®] Material

The innovative denture base material

Tissue friendly,
tough,
predosed



Denture base material of

The innovative denture base material

IvoBase® Material

The fabrication of every quality prosthetic appliance begins with quality basic products, such as the newly developed IvoBase® Material from Ivoclar Vivadent. This product is available in two different pre-dosed versions: IvoBase Hybrid and IvoBase High Impact. These self-curing PMMA-based materials combine the benefits of self-curing polymers with those of heat-curing polymers. They define a new generation of denture base resins with their high precision, quality and efficiency.

IvoBase Material shows a very low amount of monomer residue shortly after polymerization. Due to pressure-heat polymerization, a strong bond to the teeth is established. Precision results are attained quickly with the IvoBase Injector.

Biocompatibility

Glossy basal surface, high wearing comfort, residual monomer content with residual monomer reduction (RMR) <1%

Bond

Excellent chemical bond due to pressure-heat polymerization

Quality products from a single manufacturer

A suitable tooth is supplied for every indication. For example, the highly esthetic and functional SR Phonares® II tooth line is recommended for quality

Efficiency

Short polymerization time, appropriate occlusion, volume shrinkage of <1% after 30 days

” After 35 years of producing quality prosthetic appliances, I can say that the IvoBase material is without doubt one of the best injectable materials that we have ever used here at Egan Dental Laboratory.

It gives outstanding results, both in the fit and stability without compromise, time after time. ”



Richard Egan,
DT, Great Britain



the future

The system is at the center

The equipment and the material form an integrated system, which is ultimately the key to success. The IvoBase system is used to fabricate high-quality denture bases for conventional dentures as well as implant-supported dentures, at the press of a button. What is more, the equipment is highly efficient due to the fully automatic process.



Additional benefits:

Reliability

The smooth surface exhibits very low plaque affinity and ensures high shade stability.

Precision

Excellent basal and occlusal fit due to shrinkage compensation.

Consistent quality

IvoBase denture bases can be repaired with IvoBase materials to ensure reproducible results.

the future



IvoBase Hybrid
For all removable dentures



IvoBase Hybrid

- **Fast**
Polymerization in 35 minutes
- **Safe and clean**
No skin contact with the monomer
- **Predosed**
Always the ideal mixing ratio
- **User friendliness**
Outstanding clinical and processing properties

IvoBase High Impact
For exceptionally high stability requirements



IvoBase High Impact

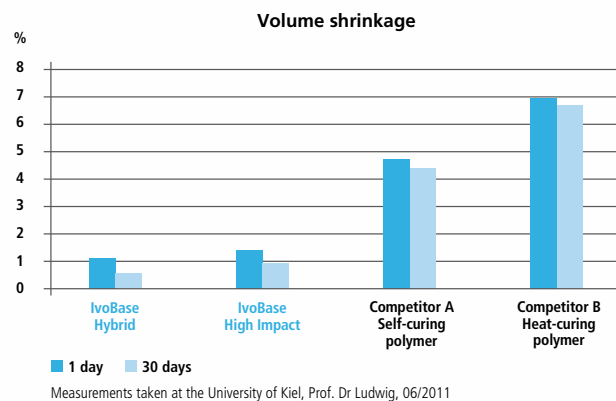
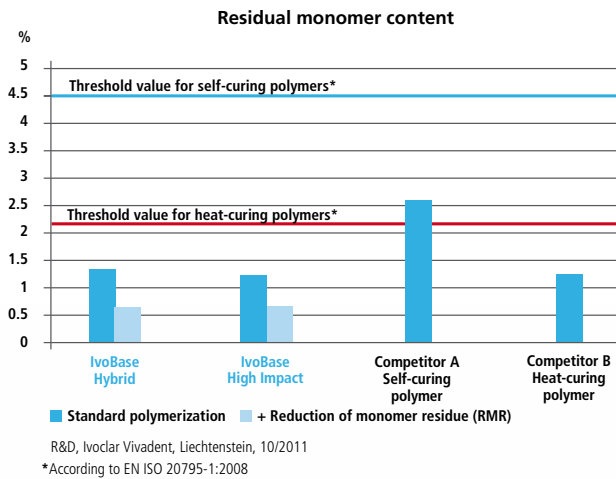
- **Fracture toughness**
Enables the fabrication of delicate denture bases
- **Ideal for high loading**
Suitable for structures that are subjected to heavy loading
- **Longevity**
Reduced susceptibility to damage
- **Short processing time**
Polymerization in 50 minutes

The standard and how IvoBase lives up to it.

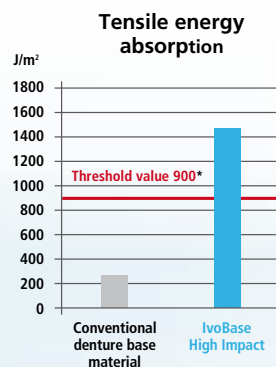
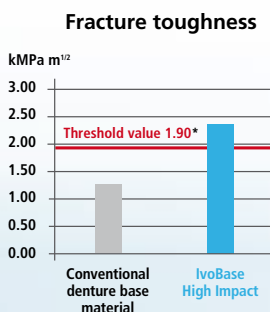
	Specification Type 2, Class 1 (the standard)	Example for IvoBase Hybrid	Example for IvoBase High Impact
Flexural strength MPa	> 60	81	74
Flexural modulus MPa	> 1500	2700	2360
Residual monomer content in %	< 4.5	1.4	1.3
Residual monomer content in % with RMR*	–	0.7	0.7
Water absorption µg/mm ³	≤ 32	22.8	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 EN ISO 20795-1:2008 Dentistry – Denture base polymers
* Residual monomer reduction

Special properties



Standards for high impact resistant materials



R&D, Ivoclar Vivadent, Liechtenstein, 10/2011
*Threshold value for high impact resistant materials according to EN ISO 20795-1:2008

Ivobase High Impact is currently the only self-curing polymer that fulfils the requirements of high impact resistant materials according to EN ISO 20795-1:2008.

Delivery form

IvoBase Hybrid

20 capsules, 22 wax components, 22 funnels, 22 aeration filters, 1 spatula, 60 ml Separating Fluid

Shades:

Pink, Pink-V, Pink-V Implant, Preference, Preference Implant, Clear

IvoBase High Impact

20 capsules, 22 wax components, 22 funnels, 22 aeration filters, 1 spatula, 60 ml Separating Fluid

Shades:

Pink, Pink-V, Pink-V Implant, Preference, Preference Implant, 34-V

Accessories

IvoBase shade guide
22 wax components





Removable Prosthetics

IvoBase® forms a part of the “Removable Prosthetics” product category. The products of this category cover the procedure involved in the fabrication of removable dentures – from treatment planning and impression taking to aftercare. The products are optimally coordinated with each other and enable successful processing and application.



THESE ARE FURTHER PRODUCTS OF THIS CATEGORY:

Teeth

Expressive esthetics



Versatile, durable and easy to use

- State-of-the-art tooth mould design
- The latest denture tooth materials for all indications
- Available for different shade systems

Stratos®

Tried-and-tested articulators



Convincing quality and precision

Simulation of jaw movements to ensure high-quality restorations in removable and fixed denture prosthetics

Would you like to know more about the products of the “Removable Prosthetics” category? Simply get in touch with your contact person at Ivoclar Vivadent or visit www.ivoclarvivadent.com for more information.

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