

Honigum

Overcoming opposites.





Professional precision
for all indications.
Honigum

Overcoming opposites.

It's no coincidence that Honigum is counted among the world's most successful and popular impression materials. After all, the precision VPS material manages to combine two characteristics that are normally mutually exclusive. Stability and flowability.

Thanks to the special chemistry developed by DMG, Honigum-Light, -Mono and -Heavy have unprecedented flowing characteristics under pressure – and despite this are extremely stable when no force is exerted. This ensures extremely clean handling and exceptionally precise detail reproduction.

And the Honigum-Putty overcomes opposites at exactly the most critical point for the dentist and treatment. Thanks to the Honigum family's Snap-Set-technology, this material also combines a comfortable working time with a very short setting time in the mouth.

From monophasic, double mixing or corrective impressions to the fixation of impression posts or transfer caps: you can rest assured you'll find the right impression material for professional precision in the Honigum family.

The advantages of Honigum

- Exceptional detail reproduction
- Extraordinary stability
- Remarkable flow properties under light pressure
- Balanced hydrophilicity
- Neutral taste and honey scent

Stays where you need it - flowable when you want it.

PRACTICE-ORIENTED CLEVERNESS: THE RHEOLOGICALLY ACTIVE MATRIX

The rheologically active matrix allows for flexible behavior in a material's viscosity. That means: To be stable or flowable depending on the situation. Honigum-Light offers this capacity in a unique manner.

EXTRAORDINARY STABILITY

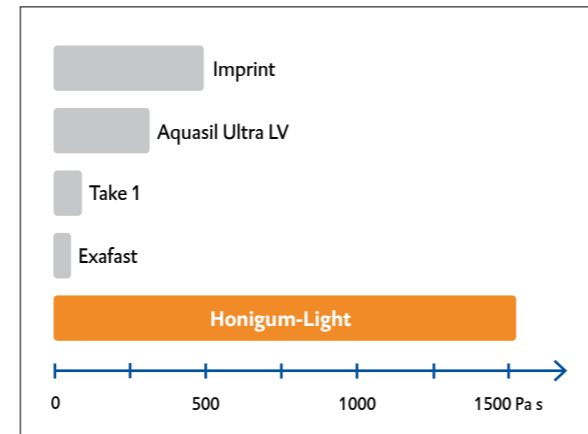
At low shear stress Honigum-Light exhibits significantly higher values than competitive materials (see graphic). Thus proving its high stability. The material remains at the area where it was applied without running or dripping.

OUTSTANDING FLOW PROPERTIES

Under shear stress (e. g. when inserting the tray into the mouth) the viscosity properties change and Honigum-Light overcomes the alleged opposites: the initially stable material flows below the preparation margin and thus provides a perfect detail reproduction.

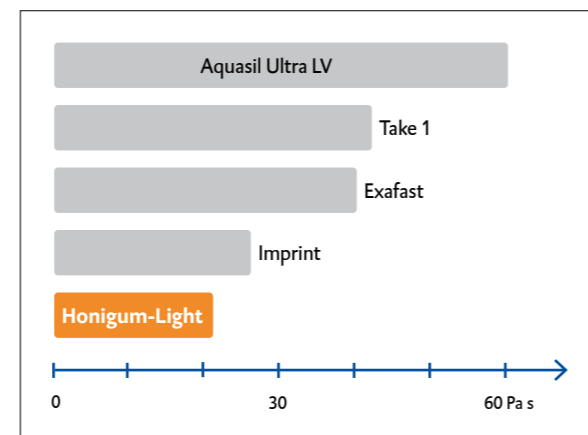
This quantum leap in the union of seemingly incompatible property profiles – exceptional stability and extreme flowability – is illustrated in the two graphics*.

VISCOSITY AT 10 PA / LOW SHEAR STRESS



At low shear stress Honigum Light reaches the best values related to stability.**

VISCOSITY AT 1000 PA / HIGH SHEAR STRESS



At high shear stress Honigum-Light exhibits the best flow properties.**

LOW SHEARING

High viscosity
Extraordinary stability

HIGH SHEARING

Low viscosity
Excellent flow properties

HAND-MIX PRECISION VPS IN PUTTY CONSISTENCY

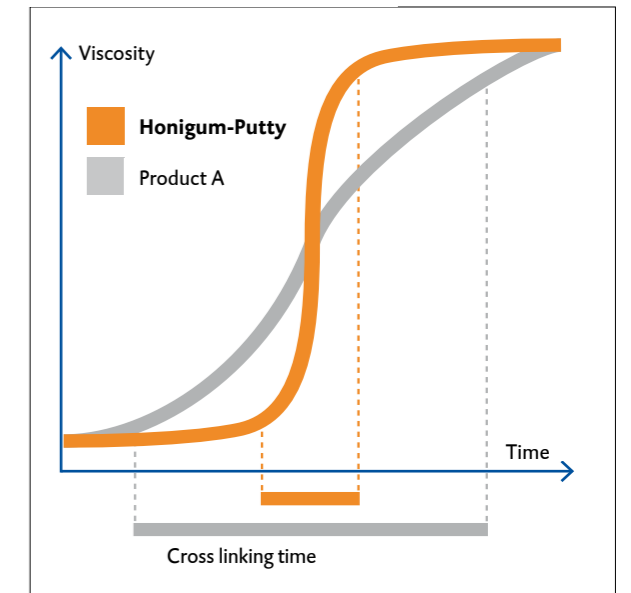
SNAP-SET-TECHNOLOGY

Thanks to the DMG-developed Snap-Set-technology, the new Honigum-Putty offers an unrivaled combination of comfortable working time and short time in mouth. Its generous working time reduces the »mix stress« to a minimum. Deformations due to material that has already hardened are prevented, and micro movements are reduced by the quicker cross linking (see »Snap-Set« in graphic). For the patient the shorter time in the mouth translates into significantly more comfort during the treatment.

EXCELLENT RECOVERY AFTER DEFORMATION

Honigum-Putty has extraordinarily high recovery after deformation. This ensures a precise reproduction of the oral situation. A precise detail reproduction is guaranteed.

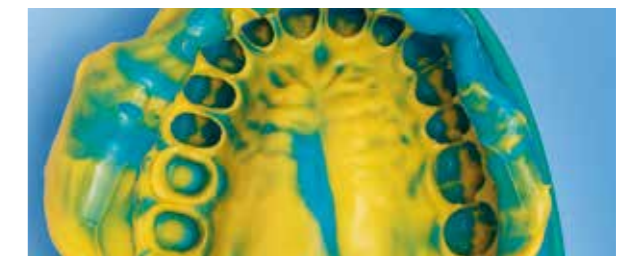
SNAP-SET-TECHNOLOGY



Honigum-Putty with a short, patient-friendly cross linking time thanks to the unique Snap-Set-technology.



Correction impression: Honigum-Putty Rigid Fast optimally combined with Honigum-Light/Light Fast.



Double mixing impression: Honigum-Putty Soft and Honigum-Light. Also available as fast variants.

*C. Luu, and C. Angeletakis, Kerr Corporation, Orange, CA, USA, Shear Thinning Behavior of Silicone Impression Materials, Poster#1849, IADR Honolulu, Hawaii, 2004.
**Please visit our website to find out about the equally convincing values for Honigum-Mono.



Honigum-Light

VPS-based correction impression material

INDICATIONS

Crown and bridge impressions, inlay and onlay impressions

BENEFITS FOR THE DENTIST

- > Excellent flow properties
- > Outstanding stability
- > Balanced hydrophilicity
- > Registers even the finest details



Honigum-Heavy

VPS-based pre-impression material

INDICATIONS

Crown and bridge impressions, inlay and onlay impressions, all types of pickup impressions (e.g. for implants)

BENEFITS FOR THE DENTIST

- > Extremely high final hardness
- > Comfortable resistance when positioned
- > Excellent fixation characteristics
- > Trouble-free and safe removal
- > The material quality is consistently homogeneous and bubble-free



Coating the preparation with Honigum-Light.



Honigum-Light's extraordinary stability – no material run off or dripping.



Bubble-free loading of the impression tray with Honigum-Heavy.



Perfect double mixing impression with Honigum.

Honigum-Putty

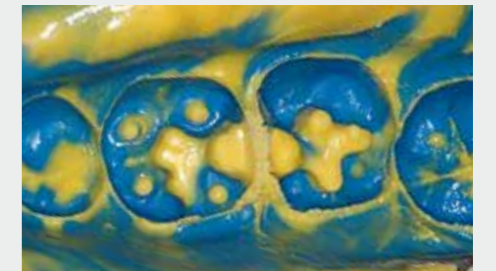
Precision, VPS-based impression material with a putty-like consistency

INDICATIONS

Crown and bridge impressions, inlay and onlay impressions

BENEFITS FOR THE DENTIST

- > Real putty-like consistency from the DMG MixStar cartridge or moldable by hand
- > Excellent setting as soon as mixing begins
- > Excellent tear strength
- > Unique Snap-Set technology (long working time and short time in the mouth)
- > Outstanding recovery after deformation
- > Excellent dimensional stability



Perfect impression of the preparation margin with Honigum-MixStar Putty and Honigum-Light.



Perfectly fitting prosthetic restorations.

Honigum-Mono

Monophase VPS-based impression material

INDICATIONS

Crown and bridge impressions, inlay, onlay and functional impressions as well as pressure point identification and all types of pickup impressions

BENEFITS FOR THE DENTIST

- > One-step precision
- > Precise reproduction of the preparation margin
- > Finest surface details
- > Lower final hardness
- > Good hydrophilicity



Direct application of Honigum-Mono onto the prepared tooth.



Dimensionally stable impression of the entire dental arch.



Particularly suited to implant impressions.

EXTREMELY HIGH FINAL HARDNESS

Honigum-Heavy exhibits easy cutting characteristics for providing pressure relief channels in corrective treatments. These are necessary in order to obtain an optimal detail reproduction with the secondary impression.

Honigum-Heavy exhibits good fixation especially for implant impressions and thus prevents torsion. Double mixing impressions with Honigum-Light are recommended for combined treatments with implants and prepared teeth. For implant treatments Honigum-Heavy should be used as a monophasic impression material.

COMFORTABLE RESISTANCE

With double mixing impressions Honigum-Heavy exhibits a good stability in the tray and a comfortable resistance when positioned. The light-bodied material Honigum-Light thus penetrates into the subgingival areas.

Whether correction impressions or double mixing technique: Impressions with Honigum-Heavy result in perfectly fitting restorations.



Coating impression posts with Honigum-Heavy.



Individual impression tray (Supertec, DMG) with Honigum-Heavy.



Additional adhesion of the impression posts with the bis-acryl-based LuxaBite (DMG).



Transfer impression with Honigum-Heavy.

With the friendly assistance of Dr. Joachim Hoffmann, Jena, Germany.

DMG Retraction Paste

Your uncomplicated impression aide.

Every accurate restoration relies on a precise impression. DMG Retraction Paste is particularly helpful here: **Temporary sulcus widening has never been this easy or this effective – and it includes an astringent effect on the gingiva.**

The compule made of special resin can be bent just as desired. It can be shaped to your preferred angle and as a consequence you can work comfortably in the patient's mouth.

The homogeneous consistency of DMG Retraction Paste is optimally adjusted. Thanks to its high-level stability, the paste remains on the spot where it was applied and once there, it takes effect optimally.



- Flexible compule for simplest application
- Optimum consistency - optimal results
- Good visibility in the sulcus
- Fast, easy, efficient



Compule tip inserted into the sulcus.



Application of the retraction paste.



Allow the paste to take effect in the sulcus and enable the gingival retraction.



The retraction of the tissue is done mechanically.

Impression

When to use which material.



	Honigum-Light	Honigum-Mono	Honigum-Heavy	Honigum-Putty
Crown and bridge impressions	■	■	■	■
Inlay and onlay impressions	■	■	■	■
Implant impressions			■	
Fixation impressions			■	
Functional impressions		■		
Pressure-spot indication		■		

TECHNICAL DATA

Honigum	Light		Mono			Heavy				Putty			
	Fast					Fast				Soft	Soft Fast	Rigid Fast	
ml	50/25	50/25	380	50	50	380	380	50	50	380	450×2	450×2	450×2
Mixing time [min]					00:30					00:30	00:30	00:30	00:30
Working time [min]	02:15	01:30	02:00	02:15	02:30	02:15	01:15	02:00	01:15	01:45	03:15	01:45	01:45
Setting time in the mouth [min]	03:30	02:00	03:15	02:30	02:45	03:15	02:00	03:15	02:00	03:15	03:15	01:45	01:45
Dimensional change after 24 h [%]	≤ 0.5	≤ 0.5	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Compression set [%]	≤ 0.35	≤ 0.35	≤ 0.35	≤ 0.7	≤ 0.7	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.6	≤ 0.5	≤ 0.5	≤ 0.5
Shore-A-hardness	≈ 47	≈ 47	≈ 47	≈ 47	≈ 47	≈ 67	≈ 67	≈ 67	≈ 67	≈ 66	≈ 62	≈ 62	≈ 70
Strain in compression [%]	≈ 4.5	≈ 3.9	≈ 3.0-5.5	≈ 3.0-5.5	≈ 3.0-5.5	≈ 1.4	≈ 1.4	≈ 1.4	≈ 1.4	≈ 2.0	≈ 2.2	≈ 2.2	≈ 1.7
Shade	■	■	■	■	■	■	■	■	■	■	■	■	■

PACKAGING

Honigum-Light

Packaging:	
4 Cartridges @ 25 ml	
16 Automix-Tips Yellow 1:1	
16 Intraoral-Tips Yellow	
Honigum-Light	REF 909539
Honigum-Light Fast	REF 909639
2 Cartridges @ 50 ml	
12 Automix-Tips Yellow 1:1	
12 Intraoral-Tips Yellow	
Honigum-Light	REF 909831
Honigum-Light Fast	REF 909832

Economy Pack:	
16 Cartridges @ 25 ml	
50 Automix-Tips Yellow 1:1	
50 Intraoral-Tips Yellow	
Honigum-Light	REF 909690
Honigum-Light Fast	REF 909691
8 Cartridges @ 50 ml	
50 Automix-Tips Yellow 1:1	
50 Intraoral-Tips Yellow	
Honigum-Light	REF 909835
Honigum-Light Fast	REF 909836



Honigum-Mono

Packaging:	
2 Cartridges @ 50 ml	
4 Automix-Tips Green 1:1	
4 Intraoral-Tips Transparent	
Honigum-Mono	REF 909830
1 Cartridge @ 380 ml	
10 MixStar-Tips White	
Honigum-Mono	REF 909568
2 Tubes @ 135 ml	
1 Non-slip mixing pad	
2 Tube keys	REF 909551

Economy Pack:	
8 Cartridges @ 50 ml	
20 Automix-Tips Green 1:1	
20 Intraoral-Tips Transparent	
Honigum-Mono	REF 909834
5 Cartridges @ 380 ml	
50 MixStar-Tips White	
Honigum-Mono	REF 909569



Honigum-Heavy

Packaging:	
2 Cartridges @ 50 ml	
4 Automix-Tips Green 1:1	
Honigum-Heavy	REF 909766
Honigum-Heavy Fast	REF 909838
1 Cartridge @ 380 ml	
10 MixStar-Tips White	
Honigum-Heavy	REF 909537
Honigum-Heavy Fast	REF 909638

Economy Pack:	
8 Cartridges @ 50 ml	
16 Automix-Tips Green 1:1	
Honigum-Heavy	REF 909837
Honigum-Heavy Fast	REF 909839
5 Cartridges @ 380 ml	
50 MixStar-Tips White	
Honigum-Heavy	REF 909538
Honigum-Heavy Fast	REF 909637



Honigum-Putty

Packaging:	
1 Cartridge @ 380 ml	
10 MixStar-Tips Blue	
Honigum-Putty	REF 919374
2 Jars @ 450 ml	
Honigum-Putty Soft	REF 919364
Honigum-Putty Soft Fast	REF 919365
Honigum-Putty Rigid Fast	REF 919366

Economy Pack:	
5 Cartridges @ 380 ml	
50 MixStar-Tips Blue	
Honigum-Putty	REF 919375
8 Jars @ 450 ml	
Honigum-Putty Soft	REF 919369
Honigum-Putty Soft Fast	REF 919370
Honigum-Putty Rigid Fast	REF 919371



DMG Retraction Paste

Packaging:	
25 Compules @ 0.37 g	REF 919381

Accessories:

1 Automix-Dispenser Type 25 1:1	REF 110253
1 Automix-Dispenser Type 50 1:1	REF 909507
50 Automix-Tips Yellow 1:1	REF 909200
50 Intraoral-Tips Yellow	REF 909201
50 Automix-Tips Green 1:1	REF 909490
50 Intraoral-Tips Transparent	REF 909400
1 MixStar-eMotion mixing unit 230 V int.	REF 900480
50 MixStar-Tips White	REF 909567
50 MixStar-Tips Blue	REF 903334
1 Bottle @ 10 ml Tray Adhesive	REF 909394

REF 110253
REF 909507
REF 909200
REF 909201
REF 909490
REF 909400
REF 900480
REF 909567
REF 903334
REF 909394



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