

Thixotropic Bite Registration Material

Vonflex S™ Bite

Features and benefits

- Vonflex S™ Bite is an additional polymerization silicone type bite registration material containing vinyl polysiloxane components that makes precise occlusal registration.
- Vonflex S™ Bite provides faster setting and higher strength.
- Accurate portrayal of antagonists
- Coating for bite forks
- Key material for needle point registration

Indications

- Bite registration

Package

- Base / Catalyst (50ml x 2ea)
- Mixing Tips (6ea)

Technical Data

DIN 13903	Normal Type	Fast Type
Mixing ratio(Base : Catalyst)	1:1	
Total Working Time (Room Temp.)	45"	30"
Setting Time	1' 30"	1' 00"
Dimensional Accuracy	0.11%	0.02%
Linear Dimensional Change (after 24 hrs)	0.029 mm	0.038 mm
Stress Resistance In Bending	No Rupture	No Rupture
Hardness (Shore A)	88±2	88±2



Proven One Step Material Based on A-silicone

Vonflex S™ Medium

Features and benefits

- Vonflex S™ Medium is an additional polymerization silicone type impression material containing hydrophilic vinyl polysiloxane components that makes precise shape of the oral tissue.
- Vonflex S™ Medium is very easy to handle and it has ideal consistency for monophasic technique, which helps to make precise impression taking.

Indications

- Taking impression for crown and bridge
- Taking impression for inlay and onlay

Package

- Base / Catalyst (50ml x 2ea)
- Mixing Tips (6ea)

Technical Data

ISO 4823 Type 2	Normal Type	Fast Type
Mixing ratio(Base : Catalyst)	1:1	
Consistency	31~41mm	31~41mm
Working time (23°C)	2' 15"	1' 30"
Time in mouth	4' 00"	2' 30"
Detail reproduction	20µm	20µm
Linear dimensional change (%)	≤ 0.2%	≤ 0.2%
Compatibility with gypsum	50µm	50µm
Elastic recovery (%)	≥ 99%	≥ 99%
Strain in compression (%)	≤ 5%	≤ 5%



Hydrophilic Vinyl Polysiloxane Impression Material

Vonflex S™ Supermix Coming Soon

Features and benefits

- Vonflex S™ Supermix is an additional polymerization silicone type impression material containing hydrophilic vinyl polysiloxane components that makes precise shape of the oral tissue.
- Void-free and homogeneous mix when used with the automatic mixer.
- Excellent tear strength
- High hydrophilicity
- Superior dimensional stability
- Easy to remove with excellent elastic recovery
- Extended working time

Indications

- Taking impression for crown and bridge
- Taking impression for inlay and onlay

Package

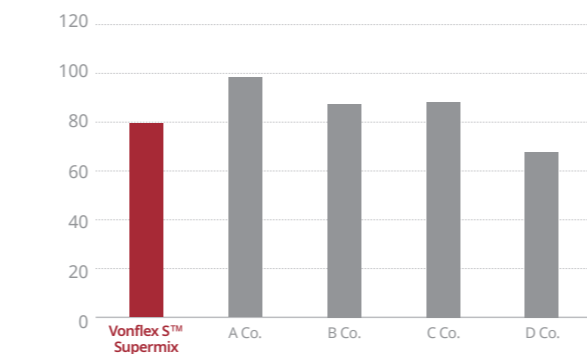
- Kit type: Base/Catalyst (380ml x 2ea), Mixing tip (2ea), Fixation Ring (1ea)

Technical Data

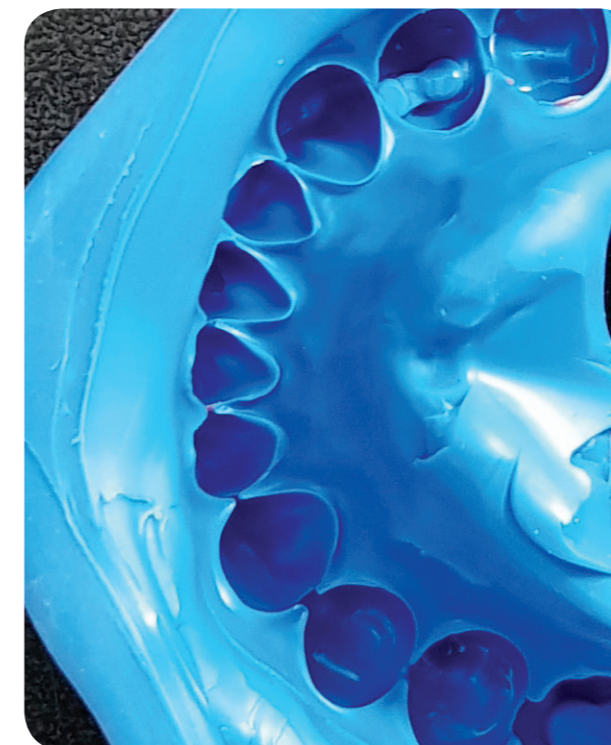
ISO 4823 Type 1 (Blue & Green Color)	Normal Type	Fast Type
Mixing ratio(Base : Catalyst)	5:1	
Consistency	≤ 35 mm	≤ 35 mm
Working time (23°C)	2' 30"	1' 30"
Time in mouth	4' 00"	2' 30"
Detail reproduction	50µm	50µm
Linear dimensional change (%)	≤ 0.2%	≤ 0.2%
Compatibility with gypsum	50µm	50µm
Elastic recovery (%)	≥ 99%	≥ 99%
Strain in compression (%)	≤ 2%	≤ 2%



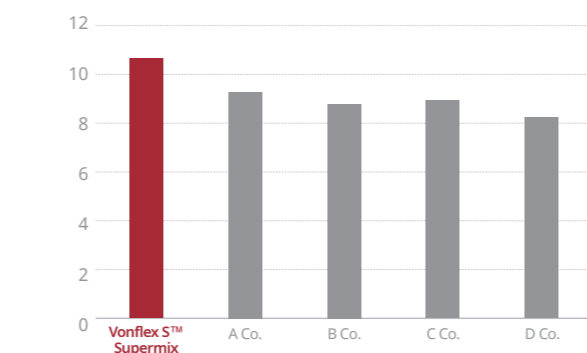
• **Contact Angle (°)**



• **Faster tray filling**



• **Tear Strength (N/mm)**



Superior Impression Products Catalog

VPS Impressions / Bite Registration



Proven And Reliable Precesion Impression Material

Vonflex S™ Putty

Features and benefits

- Vonflex S™ Putty is an additional polymerization silicone type impression material containing vinyl polysiloxane components with a putty consistency that makes precise shape of the oral tissue.
- Vonflex S™ Putty is very easy to mix and it has superior dimensional stability, which helps to make precise impression taking.

Indications

- Fabrication of a custom tray
- Taking impression for crown and bridge

Package

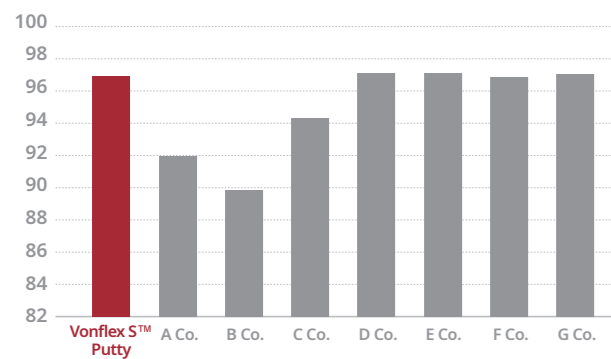
- Base / Catalyst (280 ml/ Each bottle)
- Measuring scoop (2 ea)



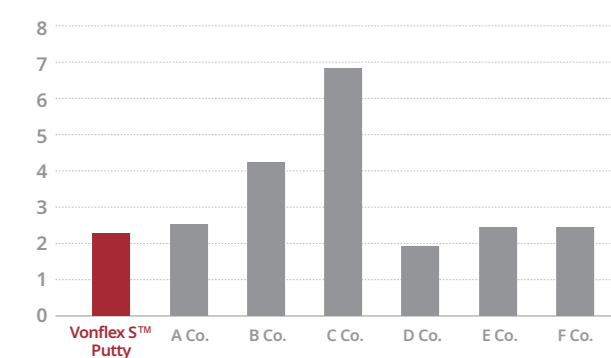
Technical Data

ISO 4823 Type 0	Nomal Type	Fast Type
Mixing ratio (Base : Catalyst)	1:1	
Consistency	≤ 35 mm	≤ 35 mm
Working time (23°C)	2' 00"	1' 30"
Time in mouth	4' 00"	2' 30"
Detail reproduction	75µm	75µm
Linear dimensional change (%)	≤ 0.2%	≤ 0.2%
Compatibility with gypsum	75µm	75µm
Elastic recovery (%)	≥ 99%	≥ 99%
Strain in compression (%)	≤ 3%	≤ 3%

Elastic recovery (%)



Strain in compression (%)



Easy to remove with excellent elastic recovery and strain in compression



Excellent Hydrophilic Impression Material

Vonflex S™ Light & Light XLV

Features and benefits

- Vonflex S™ Light is an additional polymerization silicone type impression material containing hydrophilic vinyl polysiloxane components that makes precise shape of the oral tissue.
- Vonflex S™ Light is very easy to handle and it has an excellent stability, which helps to make precise impression taking.

Indications

- Taking impression for crown and bridge
- Taking impression for inlay and onlay

Package

- Kit Type: Base / Catalyst (50 ml x 2 ea), Mixing Tips (6 ea)
- Bulk Type: Base / Catalyst (50 ml x 12 ea)



Technical Data

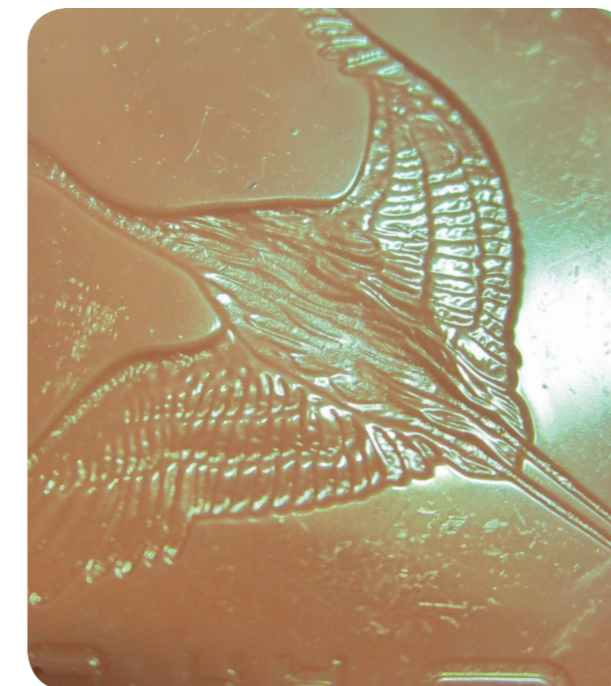
ISO 4823 Type 3	Nomal Type	Fast Type
Mixing ratio (Base : Catalyst)	1:1	
Consistency	≥ 36 mm	≥ 36 mm
Working time (23°C)	2' 15"	1' 30"
Time in mouth	4' 00"	2' 30"
Detail reproduction	20µm	20µm
Linear dimensional change (%)	≤ 0.2%	≤ 0.2%
Compatibility with gypsum	50µm	50µm
Elastic recovery (%)	≥ 99%	≥ 99%
Strain in compression (%)	≤ 9%	≤ 9%

Excellent detail reproduction by optimal flowability

- Procedure of underwater test
(Place coin under water and inject impression material)



- Underwater test of impression material with coin



Excellent Fixation Characteristic Material

Vonflex S™ Heavy

Features and benefits

- Vonflex S™ Heavy is an additional polymerization silicone type impression material containing hydrophilic vinyl polysiloxane components that makes precise shape of the oral tissue.
- Vonflex S™ Heavy is very easy to handle and it has low deformation, which helps to make precise impression taking.
- Impression material in a dual phase impression technique
- Excellence in model duplication
- Multiple unit impressions

Indications

- Taking impression for crown and bridge
- Taking impression for inlay and onlay

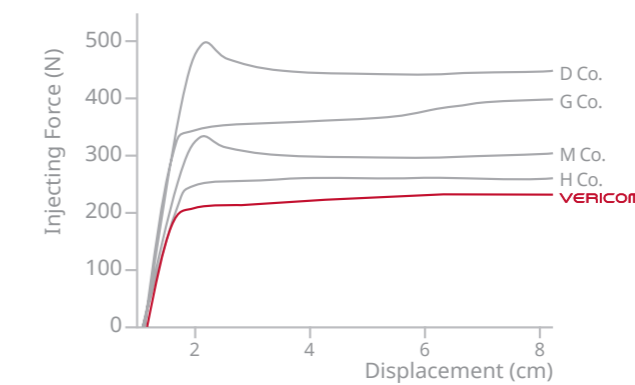
Package

- Kit Type: Base / Catalyst (50 ml x 2 ea), Mixing Tips (6 ea)
- Bulk Type: Base / Catalyst (50 ml x 12 ea)

Technical Data

ISO 4823 Type 1 (Yellow & Blue Color)	Nomal Type	Fast Type
Mixing ratio (Base : Catalyst)	1:1	
Consistency	≤ 35 mm	≤ 35 mm
Working time (23°C)	2' 15"	1' 30"
Time in mouth	4' 00"	2' 30"
Detail reproduction	50µm	50µm
Linear dimensional change (%)	≤ 0.2%	≤ 0.2%
Compatibility with gypsum	50µm	50µm
Elastic recovery (%)	≥ 99%	≥ 99%
Strain in compression (%)	≤ 3.0%	≤ 3.0%

Easy handling property



x2

Difference of injecting force more than twice