

Dental Vinyl Polysiloxane Impression Material Instruction for Use

【Product description】

GK® dental vinyl polysiloxane impression material is based on vinyl-polysiloxane designed for making precise crown and bridge, denture and bite registration impressions.

【Specification】

Putty soft (type 0) base 250ml and catalyst 250ml;
Light (type 3) 50ml.

【Composition】

GK® dental vinyl polysiloxane impression material contains vinyl-polysiloxane, Poly (methylhydrosiloxane), silica, filler, pigment and platinum catalyst.

【Indications】

Making precise crown and bridge, denture and bite registration impression.

【Contraindications】

1. Severe mucosa disease.
2. Hypersensitive to silicone.
3. Unhealed wound after oral surgery.
4. Loosen teeth after periodontal diseases or trauma.
5. Untreated severe contagious disease.
6. Severe systemic disease.

【Side effects】

This product or one of its components may in particular case cause hypersensitive reactions.

【Interactions】

None

【Warnings/Precautions】

- Only to be used by dentists and for its intended use.
- Store out of reach of children.
- Only used before the expired date.

【Application】

Mixing

Remove equal volumes of base and catalyst from the jars using colored spoon and white spoon respectively and mix the two materials with fingertips until a homogenous color is achieved. Light impression material can be injected through the nozzle into a tray or the surfaces of the teeth, and put the mixture into the mouth at least in 1min30sec. Maintain the tray in mouth at least 5min.

Attention: Operation mentioned above is performed at 23°C, if ambient temperature is higher, shorten the duration. Otherwise additional time is necessary.

Retrieve the impression

Memo1: Dual mixture impression: Put the putty soft mixture into the tray before it is cured. When assistant is locating putty soft mixture into the mouth, doctor should prepare to inject light. Putty soft mixture and light mixture should finish locating at the same time. Due to high oral temperature, setting process could be accelerated. Impression process should be operated delicate, retrieve the tray when putty soft and light mixture is total cured.

Memo2: Orthodontic technique: First initial impression should be prepared using putty soft mixture only, clean and dry the putty soft impression, sufficient exhaust channels should be prepared for light using scalper. Put the light mixture into tray above the putty soft impression, relocate the tray into the mouth, and retrieve the impression after 5min curing.

Storage

Retrieve the impression along the teeth orientation, rinse, sterilize, and dry the impression, store the impression under room temperature. Impression accuracy can be sustained for several months.

Clean

Avoid mixing the impression material and organic agent, which will result in the model expand in volume entail inaccurate impression.

Perfusion

Impression can be stored under ambient temperature(25°C maximal), die stone model can be perused after 30min since impression retrieved model can be collected after model has hardened.

【Parameter for impression material】

Main performance indicators	Light Body	Putty Soft
Mix ratio in volume	--	1:1
Working time	≥50s	≤1:15
Intraoral setting time	--	2:30
Shore A hardness	--	62-64
Dimensional Reproducibility	20µm	20µm
Elastic Recovery Rate	≥96.5%	≥99.2%

【Storage conditions】

Store at temperatures bellow 25°C (77°F).

【Expiration date and batch number】

See note on syringe/package.

【Warranty】

2 years



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