

Vinyl Polysiloxane Impression Material Introductory System

Vinylpolysiloxan-Abformmasse – Einführungssystem

Système de présentation de matériau d'empreinte Vinyl Polysiloxan

Materiali da Impronta in Polivinilsilossano – Sistema introduttivo

Estuche de introducción de material de impresión de vinílico siloxano

Kit Introducción de Material de Impresión de Vinil Polisiloxano

Instructions for Use
Gebräuchsanweisung
Mode d'emploi
Istruzioni per l'uso
Instrucciones de uso
Instruções de Utilização
Bruksanvisning
Käytäntöohjeet
Bruksanvisning
Bruksanvisning



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3M ESPE
Dental Products
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ENGLISH

The Express™ impression materials, manufactured by 3M ESPE, are Vinyl Polysiloxane impression materials designed for taking precise crown and bridge, denture and bridge registration impressions. The Express impression system offers the following viscosity materials and setting times:

• 7301 Low Viscosity (Light Body) Fast Set hydrophilic syringeable material for taking single unit impressions in the two-step putty/wash technique.

Oral Syringing Oral Set Time 3.5 min.

Oral Syringing Oral Set Time 5.0 min.

• 7302 Low Viscosity (Light Body) Regular Set hydrophilic syringeable material for multiple-unit impressions.

Oral Syringing Oral Set Time 5.0 min.

• 7322 Medium Viscosity (Regular Body) Regular Set hydrophilic syringeable material for multiple-unit impressions.

Oral Syringing Oral Set Time 5.0 min.

• 7312 STD Firm Set Putty for use as a tray material.

Oral Syringing Oral Set Time 5.0 Min.

* After 15 seconds intraoral syringe filling time.

* After 30 seconds putty mixing time.

Total Working Time Mouth Removal Time

7301 Fast Set \approx 23°C (73°F) = 60 sec.

Low Viscosity \approx 37°C (95°F) = 30 sec.

7302 Regular Set \approx 23°C (73°F) = 90 sec.

Low Viscosity \approx 37°C (95°F) = 60 sec.

Medium Viscosity \approx 37°C (95°F) = 60 sec.

7312 STD Putty \approx 23°C (73°F) = 90 sec.

Once oral syringing begins the tray MUST BE SEATED within 30 seconds for 7301 and within 60 seconds for 7302 and 7322. Once mixing is completed, the putty MUST BE SEATED within 60 seconds.

Regardless of the amount of working time used, once the tray is seated, the 7301 requires a 3.5 minute set time and the 7302, 7322, and 7312 require a 5.0 minute set time.

The product can simultaneously mixes and delivers the Express syringeable material directly from the cartridge.

Leaving and Operation

1. Place the Express light body regular set, Express regular body regular set or Express light body fast set impression material into the Garant™ dispenser. Close the cartridge retainer on the top of the dispenser.

2. Dispense a small amount of impression material until both the base and catalyst emerge from the cartridge.

3. Prepare the tray. Express light body regular set or light body fast set.

A click will be heard when the intralipal tip is locked into position. Alternatively, dispense the Express light body regular or light body fast set impression material into intraoral syringe.

Impression Procedure

EXPRESS Simultaneous Putty/Wash Technique

On Recommended Materials: 7312 Putty and 7302 or 7322 syringeable.

1. Select and prepare a rigid tray of sufficient size and wall height to accommodate 2-mm thickness of impression material surrounding the teeth.

2. Brush a thin coat of 3M ESPE tray adhesive, manufactured by 3M ESPE, on the tray.

3. Prepare the tray. Express light body regular set, light body fast set or light body intralipal tip. Place the tray onto the mix tip. (Note: Use moderate pressure and push the blunt end of the intralipal tip into the mix tip.) A click will be heard when the intralipal tip is locked into position.

4. Measure equal volumes of cavity base and catalyst.

5. Simultaneously remove the tray and inject the syringeable material around the clear, dry tooth preparations, the assistant should mix the putty base and catalyst with fingers until a homogeneous color is achieved (30 seconds).

6. Measure equal volumes of cavity base and catalyst.

7. Remove the tray, being careful to avoid contact of teeth with putty. NOTE: The tray must be seated within 60 seconds after oral syringing has begun with the low viscosity regular or light body fast set.

8. Once set, apply downward pressure along the periphery of the tray to release the impression seal and remove the tray.

Vinylpolysiloxaan-afdrukmateriaal introductie systeem

Vinylpolysiloxan, avtrycksmaterial

Vinylinopolisiloxaanista valmistetun ja iljennösinäineen käyttöönnottojärjestelmä

A-silikone avtryksmateriale, introduktionssett

Vinylpolysiloxan avtrykksmateriale Introduksjonssett

11. Visually inspect impression for evidence of defects or tears. Thoroughly examine and explore the surface of prepared teeth, as well as surrounding dentition for impression material remnants.

12. Immerse the tray into water and blow dry.

13. Immerse the impression in a 2% glutaraldehyde disinfectant ("impresept™"), or a dual or synergized quaternary disinfectant for the period of time recommended by the manufacturer for optimum results. Remove the impression, rinse it with water and dry the impression. This disinfection procedure will not affect the impression performance.

14. The model can be poured two hours after setting. Type 3 and Type 4 dental stone materials may be used. The Express impressions are very stable and can be poured up to two weeks later.

15. Impressions should be shipped in packaging designed to prevent distortion and contamination.

Storage and Use:

• Shelf life at room temperature for 7312 putty = 32 months. Shelf life at room temperature for 7301 tray and 7302 and 7322 syringeable materials and the 7307 tray adhesive = 32 months. See outer package for details.

2. The product is designed to be used at temperatures that have been kept at 23°C or 74°F and 20-30% relative humidity. These times are shorter due to higher temperatures of the product or prolonged, if the temperature of the product is lower.

3. Express impressions should be stored at dry room temperatures. Do not store in water or excessive humidity.

4. Avoid contaminating the putty or surface contacts with chemicals that could contaminate and inhibit the set (e.g. acrylic and methacrylate resins, latex rubber, and sulphur compounds).

5. Express impressions can be silver-plated or copper-plated.

6. Express materials cannot be mixed with or bonded to condensation-type silicones.

7. Dissassemble the Garant® disperser and sterilize the dispenser handle and plunger separately. Rinse thoroughly and explore the surface of the dentin to determine if any of the dentists environments for ultimate elimination of the residual materials.

8. Express impressions should be stored at dry room temperatures. Do not store in water or excessive humidity.

9. Plastering by Entfernung der Retentionsränder und dem Abziehen der Zähne ist für 7312 putty = 32 Monate. Shelf life at room temperature for 7301 tray adhesive and 7302 and 7322 syringeable materials and the 7307 tray adhesive = 32 Monate. Siehe auf der Verpackung für detaillierte Angaben.

10. Der Hersteller empfiehlt die Verwendung von 23°C und 74% Relativfeuchtigkeit.

11. Express-Formungen sollten bei trockenen Raumtemperaturen gelagert werden. Nicht in Wasser oder zu hoher Feuchtigkeit lagern.

12. Verhindern Sie das Kontaktieren mit chemischen Substanzen, die die Formung verhindern oder inhibieren können.

13. Express-Formungen können vergoldet oder kupferlegt werden.

14. Express-Materialien sollten nicht mit Kondensations-silikonen vermischt werden.

15. Die Garant®-Zerkleinerung und -sterilisation sollte getrennt voneinander erfolgen.

Regulatory Specification Data:

• ANSI/ADA Specification #19

• International Standard ISO 4823

• Chemical Name: Vinyl Polysiloxane

• Maximum Compression Set: <10%

• Recovery From Deformation: >99%

• Maximum Dimensional Change: 24 Hrs. <0.3%;

• Strain in Compression: Putty: 1.0–3.0%; Syringable: 2.0–6.0%

• Metalworking: Bath: AG, Cu

Technische Daten für die Zulassung:

• ANSI/ADA Specification Nr. 19

• International Standard ISO 4823

• Chemische Beschaffenheit: Vinylpolysiloxan

• Maximaler Druckverformungsgrad: <10%

• Rückstellvermögen: >99%

• Lineare Maßänderung (max.): 24 <0.3%, 336 Stunden (2 Wochen) <0.3 %

• Druckverformung: Putty: 1.0–3.0%; dünn fließende Viskosität: 2.0–6.0%

• Ausgleichszeit: 2 Stunden

• Metallbearbeitung: Ag, Cu

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