

Impression Solutions

3M™ ESPE™ Soft Monophase

3M™ ESPE™ Monophase

Polyether Impression Material

NEW!



Refinement
in every detail



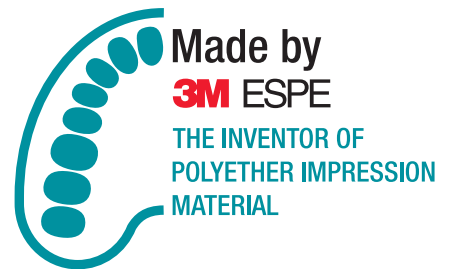
3M ESPE

3M™ ESPE™ leading impression solutions

3M™ ESPE™ (Soft) Monophase – from the inventor of polyether impression materials.

Taking precision impressions is a critical step in providing patients with high-quality restorations. As the worldwide leader in impression solutions, 3M ESPE is renowned for its dedication to quality and its innovative products. Since the introduction of the first impression materials more than 45 years ago, 3M ESPE innovations have continuously advanced impression technology.

Award-winning 3M ESPE polyether impression materials – tried and tested for decades – have become a synonym for top-notch impression precision. The ‘made in Germany’ success story now continues: 3M ESPE (Soft) Monophase material is your material of choice for all of your precision impressions – and especially for implant and edentulous impressions.



Indications:

- Implant impressions
- Edentulous impressions
- Crown and bridge impressions
- Inlay and onlay impressions

Enhanced readability and more patient comfort.

- **Great readability** through new bright material colour
- **Fresh mint flavour** of “Soft” version
- “Soft” version is significantly **easier to remove from mouth and model**

Your direct path to perfection.

Offering proven polyether material characteristics, 3M ESPE Soft Monophase and Monophase polyether impression materials help you achieve high-quality, finely detailed impression results on the first take and perfectly fitting restorations.

The new polyether materials are available for convenient automatic mixing in the Pentamix™ System from 3M ESPE.



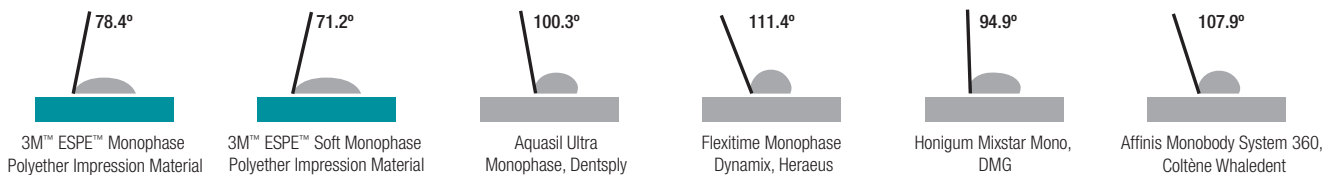
Get proven polyether properties



Highest precision through outstanding initial hydrophilicity.

Polyether is hydrophilic by nature, preventing moisture and saliva from compromising marginal accuracy and integrity. The new 3M™ ESPE™ (Soft) Monophase Material displaces moisture right from the first contact with tissue – for void-free impressions. Preferred over VPS by many dentists for excellent detail reproduction in moist conditions.

3M™ ESPE™ (Soft) Monophase Impression Material shows a significantly lower contact angle and therefore higher hydrophilicity.



Initial contact angles of water drops on different impression materials. Water drops were set on pastes 45 sec. after start of mixing. Contact angles were measured at a drop age of 0 seconds.
Source: 3M ESPE internal data

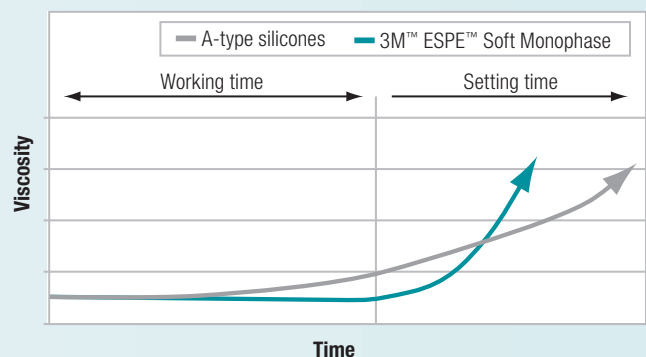
Great detail reproduction thanks to excellent flow properties.

With its great flow behaviour throughout the entire working time, 3M ESPE (Soft) Monophase material flows smoothly into the toughest spots, yet does not slump – producing finely detailed and highly accurate impressions.



Less stress due to unique “snap-set behaviour”.

3M ESPE (Soft) Monophase material is ultra-forgiving. Its snap-set behaviour ensures the material will not start setting before the working time ends; and when it does, it does so immediately. Hence, the indicated working time can actually be used to full capacity.



Polyether impression materials have longer working times than VPS materials. In contrast to VPS materials, 3M™ ESPE™ (Soft) Monophase Impression Material does not change consistency during working time. Hader S., Kuppermann B., Ranftl D., Klettke T.: Flow of Fast-Setting Light Bodied Impression Materials During Working Time. CED 2005 #607

Implant impressions – the ultimate test for impression materials.

The implant treatment plan can only be as accurate as the impression. In these demanding circumstances, characteristics such as precision, dimensional stability and rigidity are all crucial and help to produce a long-lasting and perfectly fitting restoration.

Eliminate stress and uncertainty out of mixing impression materials

Going perfectly together:
the Pentamix™ System adds speed and comfort to your impression work.

Tens of thousands of dentists worldwide have already taken advantage of the benefits of automatic mixing impression materials with the Pentamix™ System from 3M ESPE. It stands for a user-friendly operation and lets you easily dispense a homogeneous and void-free mix at the touch of a button. Mixing by hand is a thing of the past. Together with 3M™ ESPE™ impression materials you will benefit from a very well-tuned system – designed to provide you with high-quality mixtures and to make your impression work faster and more convenient.

Suitable for polyether, VPS and alginate replacement impression materials.

What the Pentamix system offers:

- **Time-saving** work procedure
- **Homogeneous, void-free mixtures** of reproducible quality
- **Direct and hygienic filling** of tray and syringe
- **No wastage of material** due to exact dosing
- **More efficient workflow** and higher productivity

Automatic mixing step by step.



Insert the Penta™ Foil Bag with your desired impression material into the Penta™ Cartridge.



Place the cartridge in the Pentamix™ 2 Mixing Unit...



... and attach a Penta™ Mixing Tip Red.



Mixing starts at the press of a button.



Directly fill the impression tray or syringe with the homogeneously mixed material. Optimised system components ensure that even heavy-bodied or fast-setting materials can be reliably mixed.



Unique benefits from every point of view

Lots of advantages for your practice and lab...

- Precise impressions with improved readability thanks to superior polyether features and bright material colour
- Precisely fitting restorations
- More patient comfort through fresh taste and easy removal from the mouth ("Soft" version)
- Saves time and money with reliable results on the first take
- Less retakes, adjustments and reworks required
- Increased cooperation efficiency between practice and lab

... and more comfort for your patients

- Pleasant mint flavour of "Soft" version
- Easy removal of the tray from the mouth with "Soft" version
- Less retakes necessary

Recent surveys show, that 3M™ ESPE™ Polyether Impression Materials have the highest recommendation rate from labs in Europe and the United States.

(US Lab Phone Survey January 2006, n=75; GfK Data 2006, Germany, France, Italy, n=222)

Passionate about Precision

Ordering Information



3M™ ESPE™ Soft Monophase Single Pack (31798)



3M™ ESPE™ Soft Monophase Introductory Kit (31806)

Item No. Product Information

Single Packs

31796 3M™ ESPE™ Monophase Single Pack

1 Monophase base paste – 300 ml, 1 Monophase catalyst – 60 ml

31798 3M™ ESPE™ Soft Monophase Single Pack

1 Soft Monophase base paste – 300 ml, 1 Soft Monophase catalyst – 60 ml

Introductory Kits

31804 For Pentamix™ 2: 3M™ ESPE™ Monophase Introductory Kit

1 Monophase base paste – 300 ml, 1 Monophase catalyst – 60 ml, 1 Monophase cartridge, 10 Penta™ Mixing Tips Red, 1 Penta™ Elastomer Syringe, 1 bottle polyether adhesive – 17 ml

31806 For Pentamix™ 2: 3M™ ESPE™ Soft Monophase Introductory Kit

1 Soft Monophase base paste – 300 ml, 1 Soft Monophase catalyst – 60 ml, 1 Soft Monophase cartridge, 10 Penta™ Mixing Tips Red, 1 Penta™ Elastomer Syringe, 1 bottle polyether adhesive – 17 ml

31800 For Pentamix™ 3: 3M™ ESPE™ Monophase Introductory Kit

1 Monophase base paste – 300 ml, 1 Monophase catalyst – 60 ml, 1 Monophase cartridge, 10 Penta™ Mixing Tips Red, 1 Penta™ Elastomer Syringe, 1 bottle polyether adhesive – 17 ml

31802 For Pentamix™ 3: 3M™ ESPE™ Soft Monophase Introductory Kit

1 Soft Monophase base paste – 300 ml, 1 Soft Monophase catalyst – 60 ml, 1 Soft Monophase cartridge, 10 Penta™ Mixing Tips Red, 1 Penta™ Elastomer Syringe, 1 bottle polyether adhesive – 17 ml

Cartridges

31810 For Pentamix™ 2: 3M™ ESPE™ Monophase Cartridge

31811 For Pentamix™ 2: 3M™ ESPE™ Soft Monophase Cartridge

31808 For Pentamix™ 3: 3M™ ESPE™ Monophase Cartridge

31809 For Pentamix™ 3: 3M™ ESPE™ Soft Monophase Cartridge

Pentamix™ System & Accessories

77959 1 Pentamix™ 2 – 230V

77871 1 Pentamix™ 3 – 230V

71457 30 Penta™ Mixing Tips Red

30600 1 bottle polyether adhesive – 17 ml

More impression products from 3M ESPE: Express™ XT VPS Impression Materials.

For almost every indication and clinical situation, 3M ESPE provides the appropriate impression material. The **Express™ XT VPS Impression Material family is especially designed for the 1-step and 2-step techniques** and materials are available in a wide variety of viscosities and setting/working times to suit all your preferences and techniques. The VPS hand-mix versions complete the line.

Features

- Superior hydrophilicity and flow behaviour
- Excellent toughness
- Almost 100% recovery from deformation

Benefits

- Excellent detail reproduction and high impression precision
- Distortion-free removal from mouth and model
- Fewer remakes

Indications

- Crown and bridge impressions
- Inlay and onlay impressions

3M ESPE

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