Take control of challenging cases.
Your choice for complex cases.

Impregum polyether material provides pinpoint precision and control. The material adapts to every margin in multiple-unit cases, and its rigidity keeps copings in place, ensuring precise placement for implants.

Moisture?

No problem — you can still get void-free detail.

Thanks to its unique moisture tolerance, Impregum polyether material displaces blood and saliva right from the first contact with tissue, resulting in excellent detail reproduction and void-free impressions.

Relax...

take all the (working) time you need.

Impregum polyether material maintains its superior flowability throughout a very long working time. And, it starts setting when the working time ends—not a moment sooner. This makes it outstandingly forgiving with less opportunity for errors—delivering distortion-free impressions.

3M™ Impregum™ Polyether Impression Material

You need the precision standard when it comes to complex cases and moist environments. Implants and large restorations demand unfailing accuracy. The long working time, excellent flowability and hydrophilic properties of Impregum materials give you control over your toughest challenges.
Winning the “Shark Fin Challenge”

The Shark Fin Test demonstrates the superior flowability of 3M™ Impregum™ Polyether Impression Material. In this test, the mold sinks into the impression material. The result resembles a shark fin. The greater the flow, the higher the fin.

Test apparatus

How it works:

1. Receptacle is filled with material.
2. Displaced material flows into mold.
3. The taller the fin, the greater the flowability.

Impregum polyether material vs VPS impression materials

The shark fin test clearly shows the superior flowability of Impregum polyether material throughout its working time, so you never have to feel rushed—even on the most complex cases. As you look at each impression material’s performance at specific points during its working time, you can see how flowability declines. Better flow allows you to make impressions with highly accurate, fine details and fewer voids.

At the start of working time, 3M™ Impregum™ Polyether Impression Material flows all the way to the end of the test apparatus, as shown by the flat top. Impregum polyether material stays flowable and workable significantly longer than VPS materials.

Clinical photo and shark fin comparisons photos courtesy of Dr. Carlos Eduardo Sabrosa, Rio de Janeiro, Brazil
FIND THE RIGHT MATERIAL for your indication and technique.

- Choose between MEDIUM (monophase) and HEAVY/LIGHT BODY materials (1-step technique)
- For crowns and small bridges, “QUICK STEP” MATERIALS offer a 33% faster total setting time than regular-set materials

<table>
<thead>
<tr>
<th>Product</th>
<th>Dispensing System</th>
<th>Viscosity</th>
<th>Setting Version</th>
<th>Working Time* at 23°C/73°F MIN/SEC</th>
<th>Total Setting Time** MIN/SEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M™ Impregum™ Penta™ Soft Heavy Body</td>
<td></td>
<td>Low</td>
<td>Regular Set</td>
<td>2:30</td>
<td>6:00</td>
</tr>
<tr>
<td>3M™ Impregum™ Penta™ Soft Medium Body</td>
<td></td>
<td>Low</td>
<td>Regular Set</td>
<td>2:45</td>
<td>6:00</td>
</tr>
<tr>
<td>3M™ Impregum™ Penta™ Medium Body</td>
<td></td>
<td>Low</td>
<td>Regular Set</td>
<td>2:45</td>
<td>6:00</td>
</tr>
<tr>
<td>3M™ Impregum™ Soft Medium Body (Tray)</td>
<td></td>
<td>Low</td>
<td>Regular Set</td>
<td>1:45</td>
<td>6:00</td>
</tr>
<tr>
<td>3M™ Impregum™ Penta™ Soft Quick Step Heavy Body</td>
<td></td>
<td>Low</td>
<td>Fast Set</td>
<td>1:00</td>
<td>4:00</td>
</tr>
<tr>
<td>3M™ Impregum™ Penta™ Soft Quick Step Medium Body</td>
<td></td>
<td>Low</td>
<td>Fast Set</td>
<td>1:00</td>
<td>4:00</td>
</tr>
<tr>
<td>3M™ Impregum™ Soft Quick Step Medium Body (Tray)</td>
<td></td>
<td>Low</td>
<td>Fast Set</td>
<td>1:00</td>
<td>4:00</td>
</tr>
<tr>
<td>3M™ Impregum™ Penta™ Soft Light Body</td>
<td></td>
<td>Low</td>
<td>Regular Set</td>
<td>3:15</td>
<td>6:30</td>
</tr>
<tr>
<td>3M™ Impregum™ Garant™ Soft Light Body</td>
<td></td>
<td>Low</td>
<td>Regular Set</td>
<td>2:00</td>
<td>5:30</td>
</tr>
<tr>
<td>3M™ Impregum™ Soft Quick Step Light Body</td>
<td></td>
<td>Low</td>
<td>Fast Set</td>
<td>1:00</td>
<td>4:00</td>
</tr>
</tbody>
</table>

* Working time includes mixing time. **Includes working time.

The working times shown are in conformity with ISO 4823:2000. Higher temperatures will shorten the working time, while lower temperatures will prolong it.

For regular set materials, we recommend a working time of 1:45 min/sec and compliance with the indicated setting time from the start of mixing to assure an ideal impression result at all times under clinical conditions.

Ordering information

Item #  | Product Information
--- | ---
P31739  | 3M™ Impregum™ Penta™ Soft Heavy Body/Light Body
   | 1 base paste HB – 300 ml, 1 catalyst HB – 60 ml, 1 Pentamix Cartridge HB, 2 cartridges LB – 50 ml each, 1 Penta™ Elastomer Syringe, 10 Penta™ Mixing Tips – Red, 5 polyether mixing tips, white, 5 polyether intraoral tips, white; 5 3M™ Intra-oral Syringes Purple, 1 polyether tray adhesive – 17 ml, 1 cartridge dispenser 1/1:2:1
P31779  | 3M™ Impregum™ Penta™ Soft Quick Step Heavy Body/Light Body
   | 1 base paste HB – 300 ml, 1 catalyst HB – 60 ml, 1 Penta™ Cartridge HB, 2 cartridges LB – 50 ml each, 10 Penta™ Mixing Tips – Red, 5 polyether mixing tips, white, 5 polyether intraoral tips, white; 5 3M™ Intra-oral Syringes Purple, 1 polyether tray adhesive – 17 ml
P31735  | 3M™ Impregum™ Penta™ Soft Medium Body
   | 1 base paste MB – 300 ml, 1 catalyst MB – 60 ml, 1 Pentamix Cartridge MB, 1 Penta™ Elastomer Syringe, 10 Penta™ Mixing Tips – Red, 1 polyether tray adhesive – 17 ml
P31771  | 3M™ Impregum™ Penta™ Soft Quick Step Medium Body
   | 1 base paste MB – 300 ml, 1 catalyst MB – 60 ml, 1 Pentamix Cartridge MB, 1 Penta™ Elastomer Syringe, 10 Penta™ Mixing Tips – Red, 1 polyether tray adhesive – 17 ml
P31665  | 3M™ Impregum™ Penta™ Medium Body
   | 1 base paste MB – 300 ml, 1 catalyst MB – 60 ml, 1 Pentamix Cartridge MB, 1 Penta™ Elastomer Syringe, 10 Penta™ Mixing Tips – Red, 1 polyether tray adhesive – 17 ml

CARTRIDGE INTRO KITS

| Item #  | Product Information
--- | ---
P31786  | 3M™ Impregum™ Soft Tray Medium Body Intro Kit
   | 3 tray cartridges – 50 ml each, 1 cartridge LB – 50 ml, 10 polyether tray mixing tips, purple, 5 polyether mixing tips, white, 5 polyether intraoral tips, white, 5 3M™ Intra-oral Syringes Purple, 1 polyether tray adhesive – 17 ml
P31789  | 3M™ Impregum™ Soft Quick Step Tray Medium Body Intro Kit
   | 3 tray cartridges – 50 ml each, 1 cartridge LB – 50 ml, 10 polyether tray mixing tips, purple, 5 polyether mixing tips, white, 5 polyether intraoral tips, white, 5 3M™ Intra-oral Syringes Purple, 1 polyether tray adhesive – 17 ml

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