

IMPRELON® S pd/IMPRELON® S+ pd

processing information

Description: IMPRELON® S/IMPRELON® S+ is a high-quality thermoforming material made from an extremely fracture and abrasion-resistant, transparent polymer. The material has been tested and approved for its biological safety. IMPRELON® S does not require any pre-drying, as all thicknesses are supplied pre-dried and vacuum-packed in foil pouches, ready for use.

Preparation of the model: If there are any prominent undercuts, they should be blocked out below the equatorial line of the tooth along with the papillae, either digitally or prior to the thermoforming process, using BLUE-BLOKKER® or SIL-KITT so that the splint then displays good friction but does not bulge excessively during insertion. If there is no undercut in the molar region, attachments can be used, as an optional measure, to improve retention of the splint. Otherwise the splint may subsequently display a slight rocking effect, depending on the size of the dental arch and the individual patient situation.

Insulation of the model: A protective foil such as ISOFOLAN® (REF 3207) or IMPRELON® S+ must be used to insulate 3D printed model so that the splints can be removed easily. When using dental stone models with IMPRELON® S+, the models should be wetted with water or insulated in advance to allow easy removal. IMPRELON® S with no integrated protective foil should be used in combination with ISOFOLAN®.

Thermoforming: Full models insulated with ISOFOLAN® should always be thermoformed in pellets, and suitably insulated dental arches on the model platform. For improved handling, we recommend using a pellet cover (REF 3006 or 3007) when thermoforming in pellets.

OSAMU Retainer®: The OSAMU Retainer® was developed as a treatment concept for the retention phase by Dr Osamu Yoshii, Tokyo. After more than two years of clinical trials, the OSAMU Retainer® has now been successfully in use for many years. A separate retainer is made for the maxilla and mandible from a combination of high-quality thermoforming materials; a soft BIOPLAST® foil (1.5 mm) and a hard-elastic IMPRELON® S foil (0.75 mm). The horseshoe-shaped foils only cover the dental arch and parts of the mucosa in the apical area. The splints only raise the bite very slightly. The dentine region down to the alveolar area is covered by soft BIOPLAST®, while the occlusal surfaces are precisely coated in hard-elastic IMPRELON® S pd. The design and functional advantages of the OSAMU Retainer® guarantee ideal retention results. Other advantages include the impressive aesthetics thanks to complete transparency, as well as simple, cost-effective manufacture. As a result of its special structure, the OSAMU Retainer® can also be used for smaller corrective steps with subsequent retention.

Finishing: We recommend the finishing set (REF 3378) for finishing. The splint can be roughly separated from the model with a carbide cutter (REF 3369) or cutting bur (REF 3214). The finer finishing – particularly in the interdental space – is done with the fine tricutter (REF 3370). Both Polyfix in brown (REF 3371) and OSAMU polishers (REF 3247) have proven themselves for the final processing and polish stage. To polish and smooth as well as rework the splints, the DIMO®, DIMO® PRO (REF 3380-3384) and DIMO® PRO SLIM (REF 3376) trimming wheels are perfect. When finishing the splint, please ensure that the milled arcade-shaped recesses at the edge of the splint are as rounded as possible to avoid any predetermined breaking points developing.

Cleaning/care: Daily cleaning with CETRON® powder from our CETRON® range is recommended. The splint can also be cleaned using a denture brush and water. To avoid any changes, discoloration, or damage to the splint, do not use cleaning products that contain oxidizing agents (active oxygen, chlorine, etc.). Organic solvents such as ethanol, acetone, etc., are also unsuitable for cleaning. Avoid cleaning the teeth or splint with toothpaste or mouthwash containing anionic surfactants such as sodium lauryl sulphate.

Important: The material is sensitive to temperature and must not come into contact with boiling water or hot beverages such as coffee or tea. You can find the complete range of material at: www.scheu-dental.com/pressure-moulding-material

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