CA® Pro/CA® Pro+

processing information

Description:

The multilayer CA® Pro/CA® Pro+ foils are made from clear transparent and abrasion-resistant copolyester material, as well as a thermoplastic elastomer. These components lend the material exceptional properties with regard to tensile strength, elasticity, resilience and dimensional stability. The material meets the requirements regarding biocompatibility for medical devices. As a result of their hygroscopic characteristics, the foils are pre-dried in a gentle process and individually heat-sealed in barrier bags.

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 SILKITT 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 CA® PRO+ must be used to insulate 3D printed model so that the splints can be removed easily. When using dental stone models with CA® PRO+, the models should be wetted with water or insulated in advance to allow easy removal. CA® PRO 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. Based on an average model size and ideal embedding, the original thickness of the foils decreases slightly. CA® Pro can be heated quickly, as stated on the packaging label and the foil imprint. The material must be processed at a temperature range of between 150°C and 175°C.

Finishing:

CA® PRO foils are easy to cut to size with SD foil scissors (REF 3460). DIMO® PRO trimming wheels (REF 3381) and the BIOPERM® trimmer (REF 3226) can be used for finishing and polishing.

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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