

Description:

DURASOFT® pd is a high quality compound material fabricated by co-extrusion consisting of a hard PETG base material and a soft thermoplastic material (TPU). If used correctly, a separation of the two materials can be excluded. The material is largely unbreakable and highly abrasion-resistant. As a lot of high quality thermoplastic resins, especially copolyester material, DURASOFT® pd behaves hygroscopically, i.e. it absorbs humidity which might lead to the formation of bubbles during the heating process, in case the material has not been pre-dried before. Therefore the material comes already pre-dried and vacuum sealed for instant use. The material has been tested in terms of cell biology and has been approved for clinical use in accordance with the international standards ISO 10993 and EN ISO 7405.

Indication:

Thanks to the soft flexible layer and the resulting easy splint insertion and high patient comfort, the material is ideally suited for all indications in splint therapy as well as partially for sports mouth guards and anti-snoring devices. The soft TPU side even allows for slight single tooth movements and the fabrication of set-up splints in orthodontics.

Model preparation:

For optimum transparency and an aesthetically and hygienically smooth inside of the splint, the model should be insulated first using ISOFOLAN® (REF 3207). Cut the ISOFOLAN® foil to the required shape of the splint and insert interdental/occlusal perforations using a probe or a scalpel so that the air can escape.

Pressure moulding:

The insulated model should always be embedded into the pellets before thermoforming the DURASOFT® pd material. Optionally, you can pressurize a DURASOFT® seal to avoid any discoloration of the soft inner layer. For code and heating times of DURASOFT® pd material please refer to the imprint on each blank or the corresponding label.

Adjusting:

If an adjusted occlusal splint is indicated, the hard side (PETG) can be built-up using cold cure resin, e.g. DURASPLINT®. The moulded splint is not yet completely finished in order to avoid thermal stress or poor fit; first, DURASPLINT® monomer has to be applied twice to the occlusal surface. Then polymerize according to the manufacturer's instructions before removing and finishing the splint.

Finishing:

For finishing and trimming, we recommend the finishing set (REF 3378). The set provides for example the HM carbide cutter (REF 3369) and the cutting bur (REF 3214) for coarse cutting of splints. For fine interdental finishing of splints, we recommend the HM-tricutter (REF 3370). Final trimming and polishing can be most effectively done with the POLYFIX brown (REF 3371) or the OSAMU-polisher (REF 3247).

For final trimming and polishing the hard/soft material as well as for finishing the soft splint parts, DIMO®, DIMO® PRO (REF 3380-3384) and DIMO® PRO SLIM (REF 3376) are ideally suited.

Cleaning/care:

Products from the CETRON® range are the best choice for daily cleaning and care. Alternatively, splints can be cleaned with tooth brush, tooth paste and clear water/mouth wash. In order to avoid modifications or staining, make sure not to use cleansing agents containing colouring agents. Moreover, please don't use steam blasting and ultrasonic devices or any cleaning method with a temperature exceeding 45°C.

Due to contact with the individual oral conditions, lack of hygiene, strong aromatic food and drinks such as nicotine, coffee, tea, coke and medication, splints may change their colour, taste and smell. Apart from that, organic solvents like ethanol, acetone etc. should not be used for cleaning. Some products on herbal basis used for the temporary treatment of allergic and inflammatory conditions of the oral mucosa, in particular vesicles, as well as for the supportive symptomatic treatment of gingivitis may lead to strong staining, maceration and destruction of the resin and must be strictly avoided (e.g. PYRALVEX®).

Staining may occur, too, in case of interactions of filling materials and dentures (amalgam, cobaltchrome-molybdenum alloys and alloys with a reduced content of precious metals). Please contact your dentist immediately in case of any modification of your splint.

Delivery program:

DURASOFT® pd	125 mm Ø
1.2 mm (hard/soft 0.7 mm/0.5 mm)	REF 3342
1.8 mm (hard/soft 0.9 mm/0.9 mm)	REF 3388
2.5 mm (hard/soft 1.6 mm/0.9 mm)	REF 3387
3.0 mm (hard/soft 2.1 mm/0.9 mm)	REF 3341
4.0 mm (hard/soft 3.1 mm/0.9 mm)	REF 3345

DURASOFT® blue pd	125 mm Ø
1.8 mm (hard/soft 0.9 mm/0.9 mm)	REF 3347
2.5 mm (hard/soft 1.6 mm/0.9 mm)	REF 3348

