

DURASOFT® pd

Processing Information

- 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 characterised by a high abrasion and breaking resistance. The material has been tested and approved in terms of cell biology. 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. Please see also our Safety Notes below.
- 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 and anti-snoring therapy. The soft TPU side even allows for slight single tooth movements and the fabrication of set-up splints in orthodontics.
- Intolerances:** In case of known intolerances to PETG, TPU and MMA (in case of adjusted/built-up splints), the product shall not be used.
- Contraindication:** Depending on the treatment concept, splint material with a soft component may be contraindicated in the fabrication of CMD splints.
- Insulating the model:** 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. For 3D-printed models, the use of a non-perforated protection foil such as ISOFOLAN® (REF 3207) is mandatory.
- Pressure moulding:** The model insulated with ISOFOLAN® should always be embedded in 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. For optimum thermoforming results, the temperature range for thermoforming should be between 160 and 170°C.
- Adjusting:** If an adjusted occlusal splint is indicated, the hard side (PETG) can be built-up using cold cure resin, e.g. DURASPLINT®. Do not roughen the splint prior to adjusting it with resin. 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. Ensure avoiding any contact of monomer with the soft part of the DURASOFT® splint. 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:** 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. Therefore, please instruct your patient on careful care of the splint. CETRON® powder from our CETRON® product range is the best choice for daily cleaning and care. Alternatively, splints can be cleaned with tooth brush, tooth paste and clear water.
- In order to avoid modification, discolouration or damages to your splint, make sure not to use any cleaning agents with oxidizing agents such as active oxygen, chlorine or similar.
- 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 shall be strictly avoided (e.g. PYRALVEX®). Discolourations 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).
- Ensure not to use steam blasting denture cleaning agents, ultrasonic devices or and ultrasonic devices or any cleaning method with a temperature exceeding 45°C.
- Please contact your dentist immediately in case of any modification of your splint.
- Safety notes:** Please make sure to open only externally undamaged and tightly closed barrier bags. DURASOFT® pd shall be processed within 15 minutes after opening the barrier bag to avoid the formation of bubbles due to absorption of air moisture. Do not exceed the maximum temperature of 200 °C when processing the material. Please note that the display of the SCHEU-DENTAL pressure moulding devices shows the temperature of the radiator; the actual material temperature is lower and time-dependent.
- All information on processing our material - verbal, written or practical - is given to the best of our knowledge and must be read as references without obligation. Material use and processing is beyond our control and lies within the responsibility of the user.

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

CE 0044

DURASOFT® pd	120 mm Ø
1.8 mm (hard/soft 0.9 mm/0.9 mm)	REF 0714
2.5 mm (hard/soft 1.6 mm/0.9 mm)	REF 0717
1.2 mm (hard/soft 0.7 mm/0.5 mm)	REF 0765

CE 0044

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

CE

DURASOFT® seal	125 mm Ø
0.1 mm (clear)	REF 3338
0.1 mm (blue)	REF 3339
0.1 mm (magenta)	REF 3337

CE 0044

