

**Properties:** DURAN® is a clear transparent PET-G thermoplastic. The material is abrasion resistant to the greatest possible extent and almost unbreakable with excellent properties concerning breaking resistance, elasticity and form stability. DURAN® belongs to the polyester group and is therefore not hygroscopic reactive (no predrying necessary). The material is highly biocompatible. The material has been tested additionally in a cytotoxicity assay acc. to the international guidelines ISO 10993 and EN ISO 7405 with the result that it has been released for clinical use.

**Application:** DURAN® is well suited for all prosthetic and orthodontic splint therapies such as Miniplast splints, bruxism splints, occlusal splints, CMD splints, retention splints as well as Essix retainer and palatal expansion.

**Pressurizing:** The model should be insulated with an ISOFOLAN®-foil (REF 3207) in order to achieve transparency and smooth inner surfaces. Cut the ISOFOLAN®-foil to the desired shape of the splint and perforate interdentally/occlusally with a probe/scalpel to avoid air bubbles. Now the insulated model is being embedded into pellets and coated with DURAN®. DURAN® has extremely short heating times. For code and heating time please refer to the imprint on each foil or the label. When DURAN® is moulded on an average-sized model optimally embedded, the strength of the material is reduced by up to 25 %.

**Hint:** For heating times shorter than 20 sec. are no three-digit-codes available. The heating time has to be entered manually by pushing the button with the "clock-symbol". Due to the manufacturing process, DURAN® 0.4 mm comes with one matt side. This matting will disappear completely after heating and thermoforming the material.

**Finishing:** Up to a thickness of 1.0 mm, DURAN® can be easily trimmed with SD foil scissors (REF 3460). For all other thicknesses, we recommend the finishing set (REF 3378). Final trimming and polishing can be most effectively done with DIMO / DIMO®PRO abrasives (REF 3380-3384/3376). Compound and adjustment with cold cure resins (f.ex. DURASPLINT®) is possible without any problems. For some C+B respectively temporary materials – especially bis-acrylic composite – corresponding bonding agents (f.ex. SD-COMPOSITE PRIMER, REF 3705) are necessary.

**Material care:** We recommend cleaning with our SCHEU-DENTAL CETRON® products. In order to avoid any deformation of the splints, please don't use hot water or steam blasting.

Delivery Program:	125 mm ○	125 x 125 mm □	120 mm ○
0.4 mm	3470	---	---
0.5 mm	3411	3410	0701
0.625 mm	3409	---	0707
0.75 mm	3413	3412	0702
1.0 mm	3415	3414	0703
1.5 mm	3417	3416	0704
2.0 mm	3419	---	0705
3.0 mm	3421	---	0706

