

- Description:** DURAN® is a clear transparent PET-G thermoplastic. The material is tough and abrasion-resistant with excellent properties in terms of breaking resistance, elasticity and form stability. DURAN® belongs to the family of polyester resins, combining extremely low water absorption and highest bio-compatibility (it does not require pre-drying). The material has been tested and approved for its biological safety.
- Indication:** DURAN® is ideally suited for all indications in prosthetic and orthodontic splint therapy, such as Aligners, Miniplast splints, bruxism splints, occlusal splints, CMD splints, retention splints and palatal expansions with occlusal adjustment.
- Contraindication:** Not suitable for partial adjustment using light-curing acrylics, as primer may weaken the material in the transition areas and thus increase the risk of fracture.
- Intolerances:** The product shall not be used in case of known intolerance to polyethylene terephthalate or acetaldehyde.
- Preparing the model:** Before thermoforming DURAN®, the model should be insulated with an ISOFOLAN® foil (REF 3207) in order to achieve optimum transparency and smooth inner surfaces that are easy to clean.
- Pressure moulding:** Full models should be embedded in the pellets and dental arcade models should be placed on the model platform. As you can see from the imprint directly on the material or on the packaging labels, the heating times for DURAN® are extremely short. The initial thickness of DURAN® will be reduced depending on the model height.
- Finishing:** Up to a thickness of 1.0 mm, DURAN® can be easily trimmed with SD foil scissors A (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. Roughening of splint surface is not required. For most C+B respectively temporary materials – especially bis-acrylic composite – you should use a corresponding bonding agent.
- Cleaning/care:** Products from the CETRON® range are the best choice for daily cleaning and care. Detergents or products on the base of alcohol or plants (e.g. Pyralvex®) as well as hot water or steam jets should not be used.
- Note:** Heating times of less than 20 seconds can not be coded in BIOSTAR® devices. In these cases, the heating time must be entered manually using the key with the „clock symbol“.
- Safety note:** **Make sure to use an un-perforated protective foil when using 3D-printed models such as ISOFOLAN® or alternatively DURAN®+ with integrated protection foil.**

To be used only for the above indication and by qualified personnel. For single use. Serious incidents in connection with the use of the product must be reported immediately to the manufacturer and the competent authority!

Delivery program:

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

Further products of the assortment:

DURAN®+ (with integrated protection foil)	125 mm Ø
0.4 mm	REF 3472
0.5 mm	REF 3426
0.625 mm	REF 3428
0.75 mm	REF 3430
1.0 mm	REF 3432
1.5 mm	REF 3434
2.0 mm	REF 3436

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