DURAN®

Processing Information

Description:

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 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 in terms of cell biology and in accordance with the international standards ISO 10993 and EN ISO 7405.

Indication:

DURAN® is ideally suited for all indications in prosthetic and orthodontic splint therapy, such as Miniplast splints, bruxism splints, occlusal splints, CMD splints, retention splints as well as Essix retainer and palatal expansion.

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. Cut the ISOFOLAN® foil to the desired splint extension and perforate interdentally/occlusally with a probe/scalpel to avoid air bubbles.

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. For most C+B respectively temporary materials – especially bis-acrylic composite – you should use a corresponding bonding agent, for example the SD-Composite Primer (REF 3705).

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“.

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

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