



BIOPOLYGLASS

HIGH RESISTANCE THERMOPLASTIC POLYMER FOR PROSTHETIC UNDER STRUCTURE

The new Micro Medica products to achieve the prosthesis of the future are radically transforming the traditional way of conceiving, designing and building the dental prosthesis.

Make a prosthesis of carbon fiber, glass fiber or special polymer has become routine in the dental laboratory.

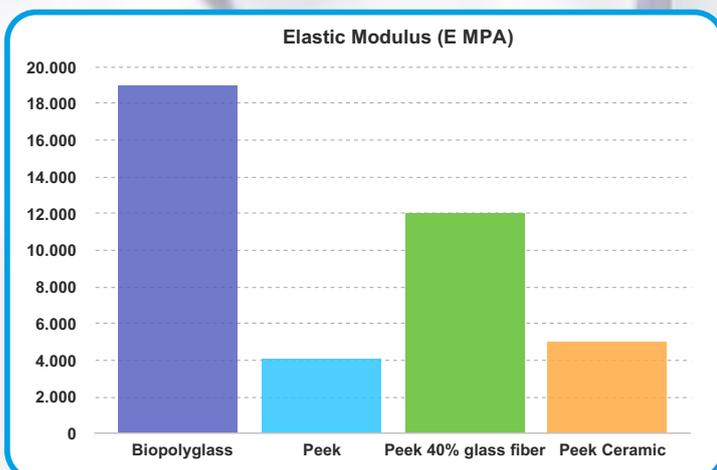
A need born of the knowledge that these materials can now easily replace the metal in the construction of substructures for dental prostheses.

Biopolyglass

is a new technologic thermoplastic polymer reinforced fiber glass, designed for the manufacture prosthetic under structures with high performance.

The combination of the purest raw materials with micro particles of fiber glass make this product unique, a perfect mix that guarantees mechanical performance of absolute importance.

With an elastic modulus of approximately 19,000 MPa it is the top of the injection materials for prosthesis in the market.



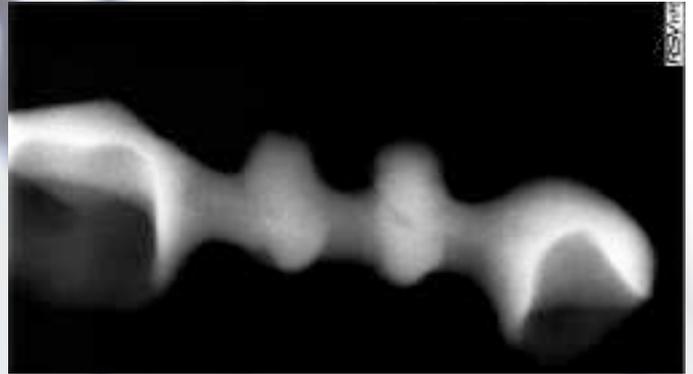
A contraction extremely contained less than 1%, it allows the construction of extended structures immediately passive and extremely resistant.

With Biopolyglass can be realized structures of any kind, the material is however particularly indicated for the prosthesis on implants type Toronto but also for crown and bridge.

The exceptional aesthetics of the White structures realized with BioPolyGlass is another strong point of this new material, the finished structures with composite or with the acrylic resin have a warm tone very similar to the natural teeth.

Biopolyglass is highly radio-opaque to ensure the possibility of a scrupulous control before and after the final cementing.

Is very important for this type of material to not absorb water, Biopolyglass have a water absorption less than 0,2%.

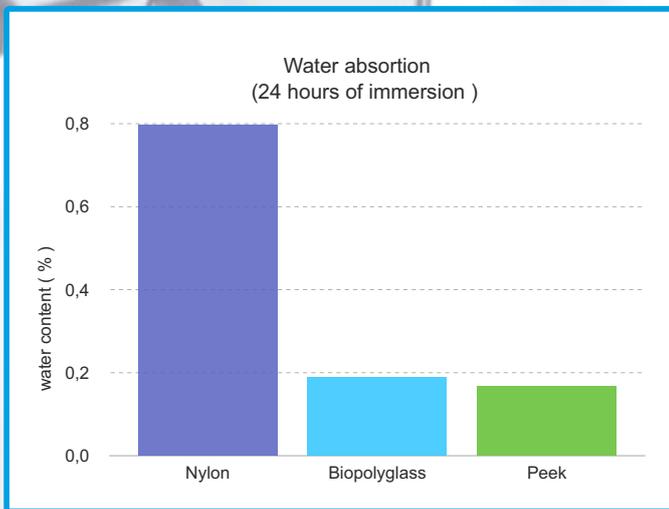


The process of injection of this material is very easy, is only necessary to have a thermo press that reaches the 340° C and a pression of minimum 6 atm.

We recommend to use for the injection in the flask of Biopolyglass the new Thermosil Silicone, with this innovative silicone resistant at the high temperature is possible to obtain extremely precise and very clean fusion.

With Thermosil you can do several fusion with the same mold.

It is not necessary to put the opaque on the finished structure in Biopolyglass, the colour of this material is compatible with all the Vita shades.



Is possible use all types of Acrillic or Composite Resins on Biopolyglas, the adesion with this materials it's perfect.

The mechanical resistance test demonstrate the great resistance of Biopolyglass, a 4mm thick bar is able to withstand force higher to 1300 newton, maintaining an excellent rigidity.

This rigidity is very important for support the aesthetic part, if the under structure flexes immediately lose the aesthetic part.

