

Deflex®



No metal retainers



INJECTABLE LINE

Polymers for removable dentures



Aesthetical pleasing



Lightweight



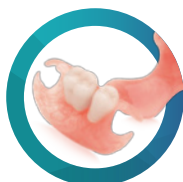
Resistants



INJECTABLE LINE

Polymers for removable dentures

Deflex dentures offers thermo-injectable materials with different balances of flexibility and stiffness that allow for multiple applications for removable dentures. **The polymers are highly resistant; contain elastic memory, minimal liquid absorption and very low shrinkage.**



No metal retainers



Blends in with teeth and gums

CUALIDADES



Aesthetically pleasing

Free of metal.
Inconspicuous



Lightweight

Allows for reduced thickness



Resistant

Highly resistant to blows and falls

FUNCTIONAL BENEFITS

The flexibility **preserves abutment teeth while** simultaneously the stiffness distributes masticatory forces. Appropriate thickness and design satisfy the needs of support, binding and stability.

BENEFITS FOR AESTHETICS AND COMFORT

Translucent retainers -in addition to being aesthetically pleasing- contain **elastic memory that increases retention and comfort.** Deflex dentures offer very reduced thickness -almost half that of conventional acrylic dentures- allowing the **patient to maintain good phonetics.**

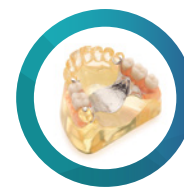
APPLICATIONS



Flexible dentures



Full dentures



Dentures combined with chrome



PPR frameworks and retainers



Occlusal splints



Overdentures



Temporary dentures



Implant bar for overdentures

MATERIALS



M10 XR - Extra-rigid polymer

- Greater stiffness and resistance: permite espesores muy finos.
 - Chemical bond with the acrylic: Possibility of relining and additions using conventional materials and techniques. Ideal for complete dentures, overdentures and temporary dentures.
- Super easy polishing and bright shine: Saves working time. Optimal end result.

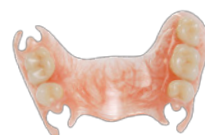


Ua Chemical bond with Acrylic *



CLASSIC SR - Semi-rigid polyamide

- Optimal balance between flexibility and stiffness: Recommended for all types of partial dentures designs
- High brightness and translucency
- Occlusal rests: Made using the same polyamide. With an appropriate design we will get a prosthesis that complies with the principles of support, fixation and stability.



FLUENCE SR - Semi-rigid polyamide

- Quality similar to the CLASSIC SR: FLUENCE SR offers a bit more elasticity and resistance than CLASSIC SR
- More fluid injection: Easy to inject
- Slightly more flexibility



SUPRA SF - Semi-flexible polyamide

- Medium flexibility: For clinical cases requiring more elasticity. For example, cases with divergent teeth pillars.
- Very high resistance to fracture: Makes it possible to reduce thickness.
- Extreme fluidity in the injection: suitable for injection in all types of equipment.



ACRILATO FD - Injectable acrylic

- Full dentures more resistant and more lightweight than conventional acrylic: Very high resistance to impact. Accepts reduced thicknesses.
- Very low shrinkage: stability of volume that makes it suitable for full dentures, occlusal splints and overdentures.
- Hypoallergenic **



Ua Chemical bond with Acrylic *



ACETAL AC - Injectable

- Highly stable dimensional opaque acetal polymer
- Low level of absorption of liquids: not impregnated, does not change color.
- Applications: tooth color aesthetic retainers and partial denture frames.



OSSIS TI - PEEK injectable

- PEEK (polyether ether ketone) high-performance polymer: in addition to being used for the development of infrastructures for injected fixed prostheses, it is also suitable for making PPR frameworks and implant bars for overdentures.
- High stiffness and rigidity
- Biocompatible



(*) Important: Accept aggregates and exceeded with conventional materials and techniques.

(**) Complies with the residual monomer content requirements laid down in EN ISO 20795-1: 2013 (Polymer base for dental prostheses)

GUÍA DE MATERIALES Y APLICACIONES

Materials and Applications Guide Deflex is made up of a wide family of thermoplastic polymers, complementary in their properties and performance. Beyond its different attributes this family of polymeric materials shares a common genetic quality, **which manifests itself in low impregnation of liquids, resistance much superior to the conventional acrylic resins, and an outstanding elastic memory.**

Guidance table for the choice of material according to its main applications in removable prostheses:

Applications	Materials	Comments
Partial dentures	CLASSIC SR FLUENCE SR SUPRA SF	In order, from stiffer to more flexible. Select according to flexibility demand on the prosthesis. The higher the stiffness, the better the polish and the gloss.
Full dentures / Prótesis provisionarias / occlusal splints Overdentures	M10 XR ACRILATO FD	Both with chemical bonding with conventional acrylic resin minimum contraction levels
Retenedores	ACETAL AC	Acetalic polymer with tooth colorations. CLASSIC SR and FLUENCE SR could also be used to make aesthetic retainers in translucent pink colors.
PPR frameworks	ACETAL AC OSSIS TI	El ACETAL AC easy to inject and polish. El OSSIS TI presents more resistance and rigidity.

INJECTION PARAMETERS

Parameters	M10 XR	CLASSIC SR	FLUENCE SR	SUPRA SF	ACRILATO FD	ACETAL AC	OSSIS TI
Temperature	305°C +/- 10°C	280°C +/- 10°C	275°C +/- 10°C	260°C +/- 10°C	265°C +/- 10°C	245°C +/-5°C	390°C +/- 5°C
Melting time	15' min	15' min	15' min	15' min	15' min	15' min	*
Holding time	1' min	1' min	1' min	1' min	1' min	1' min	*
Air pressure	6 kg/cm2 +/- 1 = 86 PSI +/- 14	6 kg/cm2 +/- 1 = 86 PSI +/- 14	4,5 kg/cm2 +/-0,5 = 64 PSI +/- 7	3,5 kg/cm2 +1 = 50 PSI + 14	6 kg/cm2 +/- 1 = 86 PSI +/- 14	6 kg/cm2 +/- 1 = 86 PSI +/- 14	*

Note: The indicated injection parameters are for the Deflex injection machine. For other injectors, consult the manufacturer or dealer of your equipment.

* Some injection parameters for OSSIS TI depend on the technique applied and the injector model. Refer to the complete technical instructions to see the different techniques, applications and parameters.

FLEXIBILITY

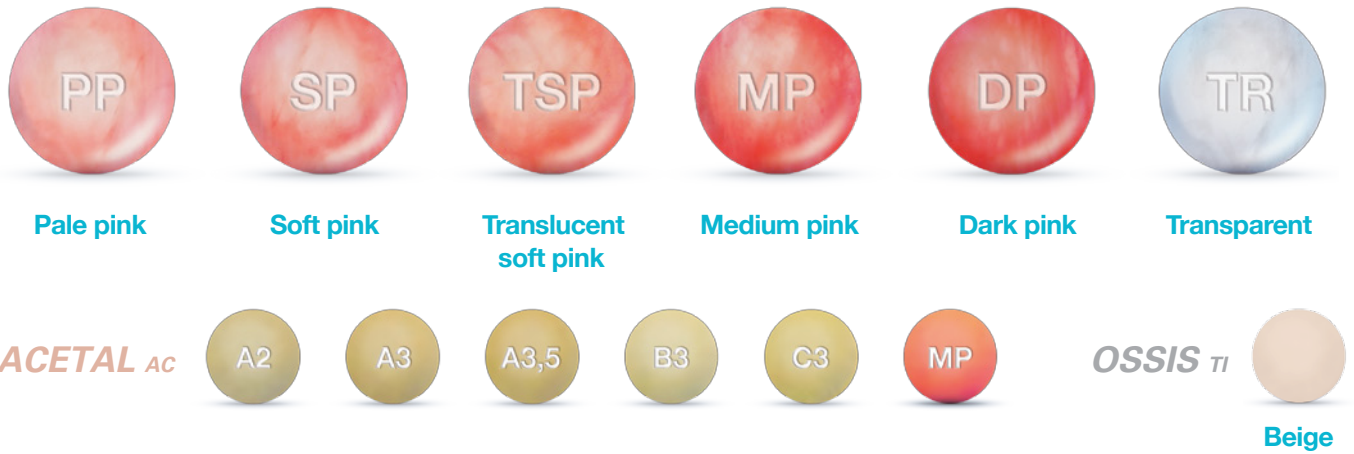
M10 XR	CLASSIC SR	FLUENCE SR	SUPRA SF	ACETAL AC	OSSIS TI
VERY LOW	LOW	LOW	MEDIUM	VERY LOW	EXTRA LOW

Note: The flexibility of each material varies according to thickness, shape and application.

COLORS

Deflex materials are highlighted for their delicate combination of translucency and pink tones, providing a dual adaptation to both teeth and gums.

A subtle range of pink tones matches the diversity of colors of patients' gums.



<i>M10 XR</i>	<i>CLASSIC SR</i>	<i>FLUENCE SR</i>	<i>SUPRA SF</i>	<i>ACRILATO FD</i>	<i>ACETAL AC</i>	<i>OSSIS TI</i>
PP - SP - TSP - MP - DP - TR	PP - SP - MP - DP - TR	MP - TR	MP	MP - TR	A2 - A3 - A3,5 - B3 - C3 - MP	Beige

CARTRIDGES

Thermo-injectable material presented in the form of small spheres or pills. Pre-dried, colored and packed in aluminum tubes, free of impurities.



Diameter 22 mm

- **Small** (x 55 mm)
- **Medium** (x 85 mm)
- **Large** (x 120 mm)



Diameter 25 mm

- **Small** (x 50 mm)
- **Medium** (x 70 mm)
- **Large** (x 90 mm)

- Cartridges ready to be injected
- Expiration: 18 months
- Acrilato is not available in small cartridge of 22mm.
- For very large prosthesis where the large cartridge is insufficient, consult for refill cartridges.
- Acetal is not available in large tubes of 22mm or 25mm.
- Ask for availability of materials, colors and complementary products by country.
- The values of measurements and weights are nominal

INJECTION MACHINE

Effectiveness and practicality

3 INJECTION EQUIPMENT OPTIONS

There are three models of Deflex injector: **MAD1300**, **MAD1400** and **MD1500**, all pneumatic and digital. The **MAD1300** and **MAD1400** are automatic, and the **MD1500** is semi-automatic.

Of the automatic models, the **MAD1300** differs from the **MAD1400** because it has pre-configured programs and injection-blocking sensor.



Maximum time saving



Easy to install, easy to operate



Powerful pneumatic cylinder

MAIN FEATURES

- **Pneumatic and with integrated oven**
- **Fully automatic**

* Pre-heating of the muffle during the injection cycle

* Applies to MAD1300 and MAD1400 models Consult availability of models of injector, diameter and voltage according to country.



INJECTOR MODEL	 MAD1300	 MAD1400	 MD1500
Way of injection	Automatic	Automatic	Semi-automatic
Type of cylinder	Pneumatic		
Temperature	Digital - Programmable		
Air pressure	Adjustable		
Injection oven	Integrated		
Programs	7 PRG pre-configured + 7 PRG free	1 PRG free	1 PRG free
Flask cover	YES	YES	No
Injection block sensor	YES	No	No
Adjusting handle	1		
High x Width x Depth	62 cm x 15 cm x 30 cm		64 cm x 20 cm x 35 cm
Weigh	22 Kg. / 48.5 Lb.		
Voltage	220v o 110v		
Diameter	22mm o 25mm		
CE Certification	YES	YES	No

COMPLEMENTARY PRODUCTS



**Aluminum
Flasks**



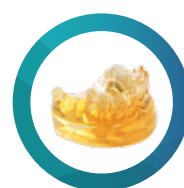
**Demoulding
agent**



**Polishing
paste**



**Polishing
wheels**



**Acrylic
models**



**Preformed
wax tubes**

Deflex®

Conozca más acerca de nuestros productos en www.deflex.com.ar




INJECTABLE MATERIALS

Flexible partials.




M10_{xr} CLASSIC_{sr} FLUENCE_{sr} SUPRA_{sf} ACRILATO_{fd} ACETAL_{ac} OSSIS_{ti}



CAD/CAM MATERIALS

For milling of bridges and crowns



ZIRCONIA PMMA PEEK CERA



DENTURE PICTURES AND CLINICAL CASES IN WWW.DEFLEX.COM.AR



 Technical step videos in our YouTube channel: Deflex

FABRICANTE
NUXEN
SRL



Ayacucho 1053; 3ºA - City of Bs. As. - Argentina



info@deflex.com.ar



(+5411) 4812-9638



(+54911) 11-6720-5702



www.deflex.com.ar



protesisdeflex



ET22 REV05
16-SEP-2017

ISO 13485:2012