

NEW

THE NEW MEDICAL PMMA

- Cytotoxic grade 0: Non-toxic at the cellular level, tests passed with a cytotoxic value of zero.
- Masticatory load resistance: 500 MPa.
- Wear resistance: 15 times higher than traditional resin.
- Long life: ideal for therapeutic temporaries and long-term definitive prostheses.
- Available coloring: Progressive Dentin + enamel A1-A2-A3-A3.5-C2-D3, Transparent.
- Antimicrobial efficacy: No bacterial growth for various microorganisms.
- Compression test: Compliance with ISO 604 and other directives.
- Minimal wear: No wear with maximum masticatory load.



THE New PMMA ÉLITE.

Resistant to bacterial attack, masticatory load and wear.

The new PMMA ÉLITE is a biocompatible and cytotoxic grade 0 dental material, with a masticatory load resistance of 500 MPa and wear resistance 15 times higher than traditional resin. Offers **efficacy** **antimicrobial** **against various microorganisms** and **maintains** its own characteristics **many years.**

What are the antimicrobial benefits?

The PMMA ÉLITE dental material has passed cytotoxicity tests **, irritation and sensitization, demonstrating a cytotoxic value equal to zero, which indicates that it does not induce harmful biological responses at the cellular level.** The PMMA ÉLITE dental material is effective against the following microorganisms:

- *Haemophilus Actinomycetemcomitans*: involved in rapidly progressive periodontitis.
- *Streptococcus Gordonii*: associated with chronic adult periodontitis.
- *Streptococcus Mutans*: main organism in the formation of enamel caries.
- *Staphylococcus Aureus*: involved in suppurative phenomena.
- *Alpha Hemolytic and Beta Hemolytic Streptococci*: involved in other medical branches.
- *Staphylococcus Epidermidis* and *Staphylococcus Aeruginosa*: involved in other medical branches.
- *Klebsiella Pneumoniae* and *Proteus Mirabilis*: involved in other medical branches.

PMMA ÉLITE prevents bacterial growth of these microorganisms, allowing for healthy, non-bleeding and irritated tissues.

To take precision impressions that correspond to the patient's gingival health.

What is the masticatory load resistance?

The masticatory load resistance of the PMMA ÈLITE dental material is 500 Mpa .

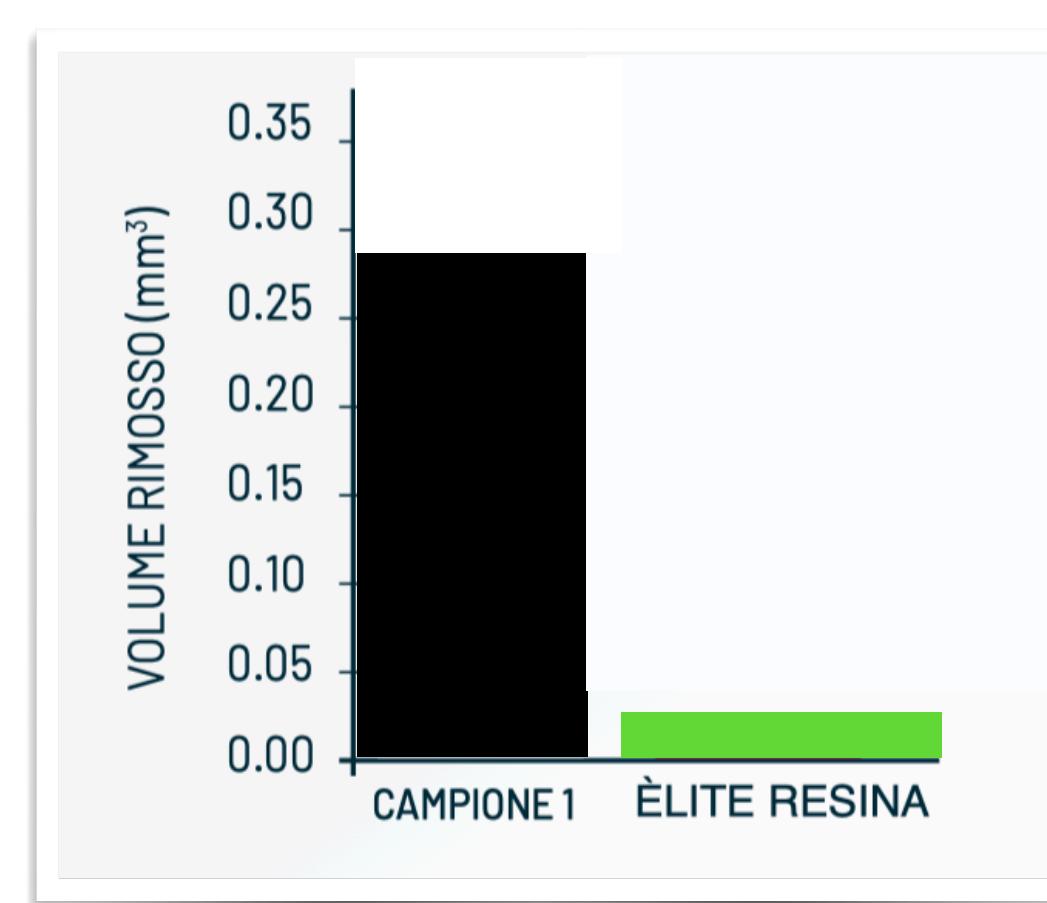


This test, compared to the directive ASTM D3410, E92, D790M and ISO 6507 and 146, demonstrates how the ÈLITE resin obtained a masticatory load resistance value equal to 500 Mpa .

What is the wear resistance?

The PMMA ÈLITE offers remarkably high wear resistance, being 15 times higher than traditional resin. Furthermore, it does not undergo any type of wear even under maximum masticatory load, which makes it particularly suitable for applications long-term dental.

The test highlights how PMMA ÈLITE does not undergo any type of wear with a masticatory load expressed at its maximum natural power of 2500 Kg/cm².



What is the duration in the oral cavity?

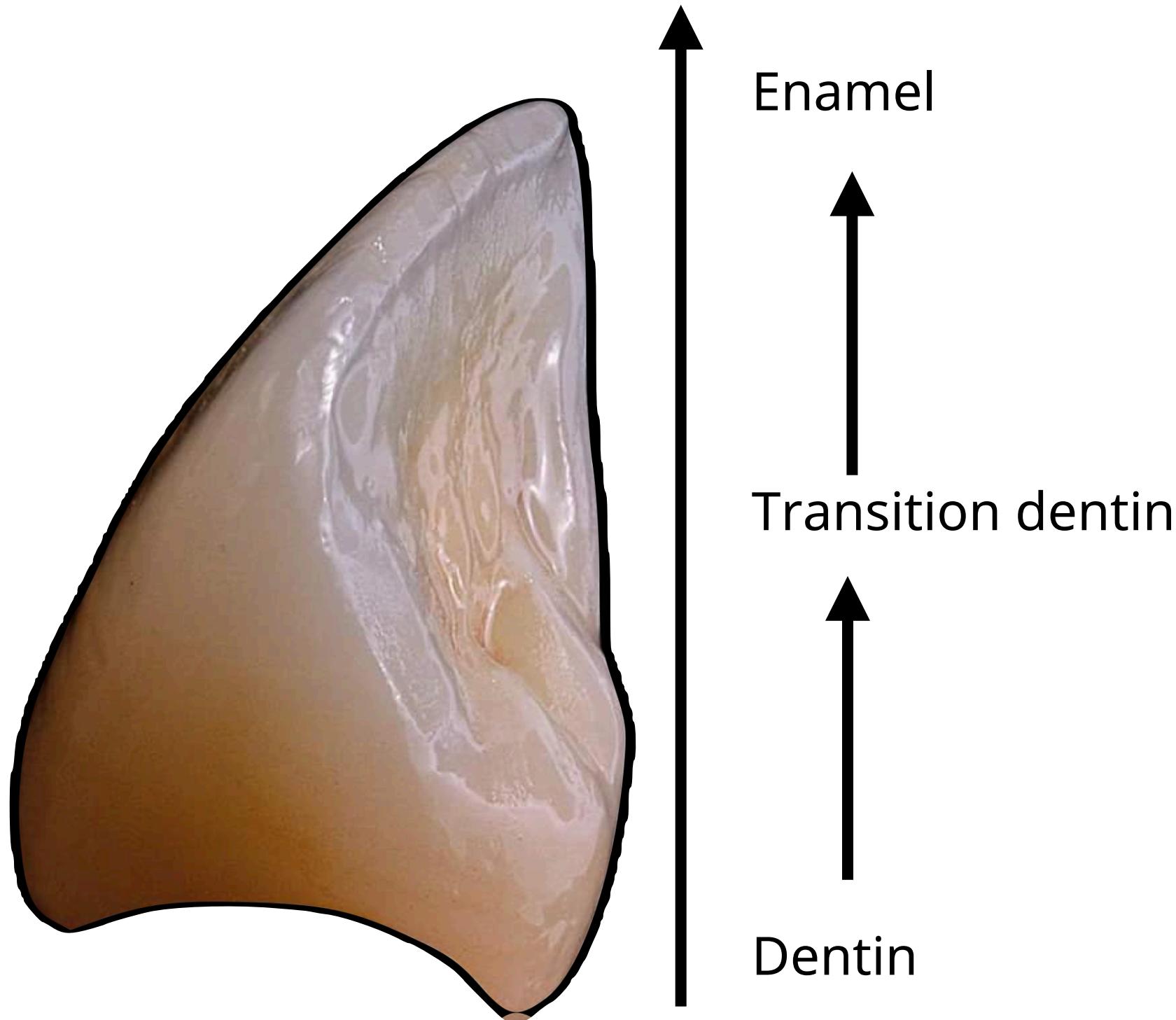
The ÈLITE discs maintain the characteristics described here for many years, therefore giving operators the possibility to choose them as a material to produce artifacts while waiting for tissue healing, or for prostheses definitive a long term .

How is it made?

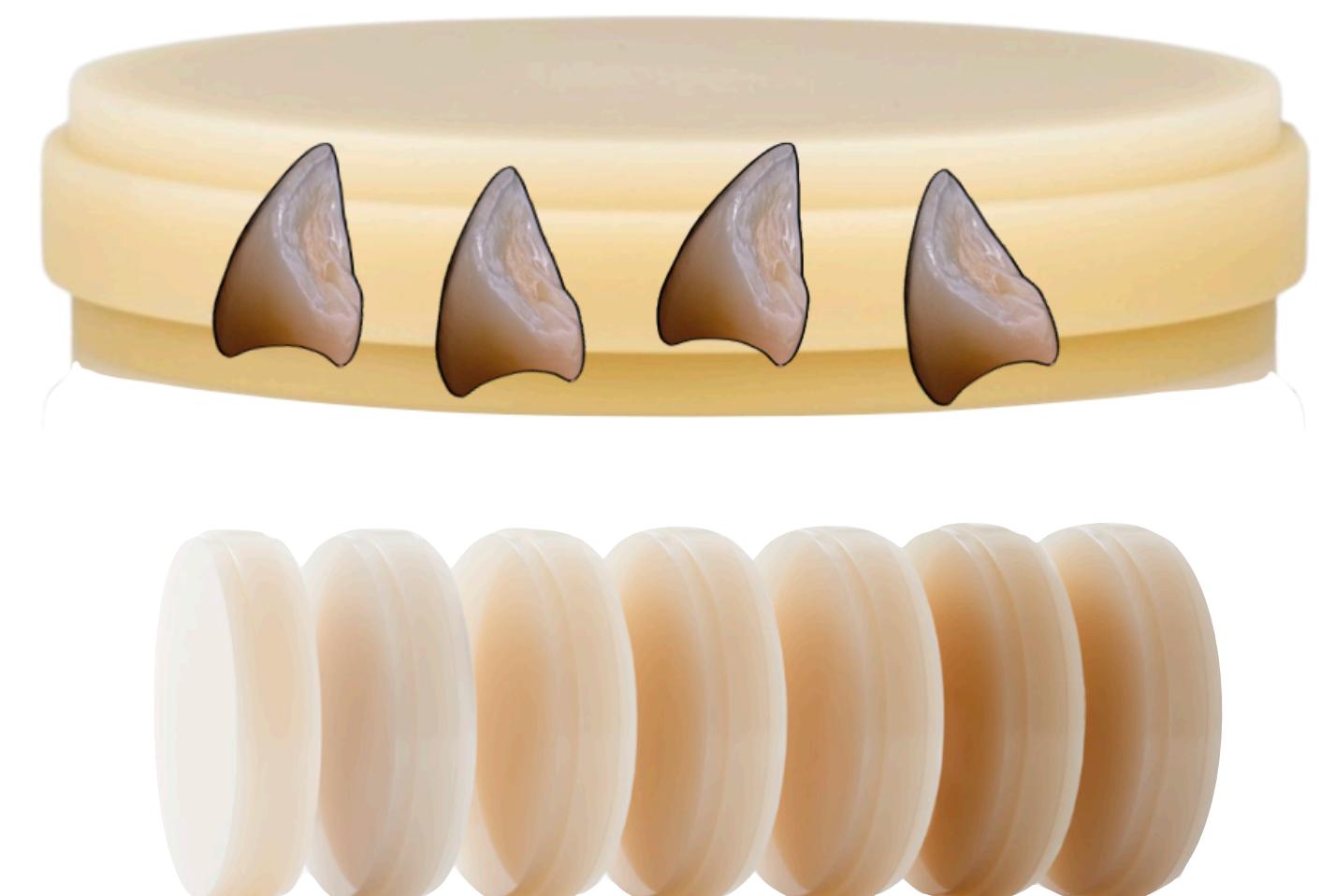
It has a Progressive Shaded Color



Strength	Trans
1100(±100) MPa	30%(incisal)
500 MPa.	40%(middle)
1100(±100) MPa	30%(cervical)



PT TECHNOLOGY
Progressive Technology



Available in coloration
A1-A2-A3-A3,5-C2-D3
TRANSPARENT
D.98 H.15 and 20 mm.