



ST Pre-Shade

Preshade

CREATE THE BEST SMILE QUICKLY



- ✓ Exceptionan strength of 1250 MPa combined with ideal translucency.
- ✓ A wide range of indications for restorations from coping to long-span bridge.
- ✓ Reproduces Vita shades perfectly.
- ✓ Stable and reproducible results.

Technical data

Flexural strength (3 points) 1250 ± 100 MPa

Translucency 43 % • Vickers hardness HV10 1300 ± 50

Density > 3 g/cm³ • Sintered density > 6,02 g/cm³

Chemical density < 50 µg/cm³ • Radioactivity < 0,1 Bq.g⁻¹

Fracture toughness < 5.5 MPa·m^{1/2} • CTE (10.5 ± 0.5) * 10⁻⁶ K⁻¹

UTILITIES

Inlay-Onlay	Monolithic crown	Coping	Monolithic anterior bridge (3 pieces)	Monolithic bridge (3 pieces)	Monolithic bridge (<= 14 pieces)



HT

White

CREATE AN UNBREAKABLE SMILE: THE ECONOMICAL SOLUTION



- ✓ The extraordinary strength of 1400 Mpa grants a high level of process safety.
- ✓ Easy veneering & individualizing.
- ✓ Best option for coping & abutment.

Technical data

Flexural strength (3 points) > 1400 MPa

Translucency 42 % • Vickers hardness HV10 1300 ± 50

Density > 3 g/cm³ • Sintered density > 6,02 g/cm³

Chemical density < 50 µg/cm³ • Radioactivity < 0,1 Bq.g⁻¹

Fracture toughness < 9 MPa·m^{1/2} • CTE (10.5 ± 0.5) * 10⁻⁶ K⁻¹

UTILITIES

Inlay-Onlay	Monolithic crown	Coping	Monolithic anterior bridge (3 pieces)	Monolithic bridge (3 pieces)	Monolithic bridge (<= 14 pieces)	Customized abutment

SHT-ML Multilayer

SHT Multilayer

CREATE THE BEST SMILE WITH HIGHEST FLEXIBILITY



- ✓ All in one and one for all.
- ✓ Seamless gradient in translucency, strength and shade.
- ✓ Fast and easy processing.
- ✓ Revolutionarily balanced combination of strength and translucency.

Technical data

Flexural strength (3 points) > 900-1100 MPa

Translucency 43-46 % • Vickers hardness HV10 1300 ± 50

Density > 3 g/cm³ • Sintered density > 6,02 g/cm³

Chemical density < 50 µg/cm³ • Radioactivity < 0,1 Bq.g⁻¹

Fracture toughness < 5 MPa·m^{1/2} • CTE (10.5 ± 0.5) * 10⁻⁶ K⁻¹

UTILITIES

Inlay-Onlay	Reduced crown	Monolithic crown	Coping	Monolithic anterior bridge (3 pieces)	Monolithic rear sector (3 pieces)	Monolithic bridge (<= 14 pieces)



PMMA

MONOLAYER



- ✓ Long-lasting colour stability.
- ✓ Natural fluorescence.
- ✓ Easy reproducibility of the temporary dental prosthesis.
- ✓ Temporary restorations. Single and multiple-unit bridges and single crowns.

MULTILAYER



- ✓ High aesthetics.
- ✓ Extremely resistant to plaque.
- ✓ Natural colour.
- ✓ Temporary restorations. Single and multiple-unit bridges and single crowns.

Technical data

• Density 1.15 - 1.20 g/cm³

• Flexural strength > 100 MPa

• Water absorption < 0,3%

• Organic residues < 1.0 %

• Fracture toughness < 9 MPa·m^{1/2}

• Hardness > 85-90 (Shore hardness)

• Modulus of elasticity > 2500 MPa

• PMMA component > 99 %, pigment < 0,1 %

• Milled application; temporary crown

• Flexing strength (3 points) > 1400 MPa



At **MESTRA** we are specialized in the manufacture and distribution of dental machinery and appliances. We are a Spanish company based in Bizkaia. We currently export to clients in more than fifty countries on five continents and we have more than a thousand references in our catalogue.

We have maintained a line of constant expansion since our foundation in 1945, thanks to our best qualities: the high quality of our products that have earned the ISO 9001:2015 certification by TÜV Rheinland, a close and attentive relationship with our customers, and a constant technical innovation in the design of our products.

Our design philosophy is based on three fundamental pillars: the needs of our clients, the observation of the techniques used in dental laboratories and our more than 77 years of experience providing creative and contemporary solutions to the daily problems of professionals in the sector.

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a virtual visit to our training
and exhibition center?**

**Contact us and
we'll show you!**



Talleres Mestraitua SL
(+34) 944 530 388
info@mestra.es - www.mestra.es
48150 SONDIKA (Spain)

