



NEW

KATANA ZIRCONIA UTML
KATANA ZIRCONIA STML

The zirconium dioxide ceramics for the highest aesthetic demands

KATANA Zirconia UTML

The ultra-translucent multi-layered zirconia – inspired by enamel

KATANA Zirconia UTML is so translucent that light reaches the original tooth color, bringing you the natural results you need. Now you can make veneers and anterior restorations out of zirconia.

Research and studies on the translucency of different ceramic material have shown that the light transmission of KATANA Zirconia STML in the enamel layer is comparable to IPS e.max* CAD LT. The integrated colour gradient additionally supports the natural appearance.



Indications

- Inlays, onlays, veneers and single-tooth restorations
- Bridges of up to three units in the anterior area

Advantages for you

- Above average translucency compared to other materials
- Natural esthetics thanks to the integrated gradient
- Ideal for restorations in the anterior area
- Easy handling – only polishing or glazing required
- No laborious pretreatment required when placing the restoration
- Available in 16 VITA* classic shades

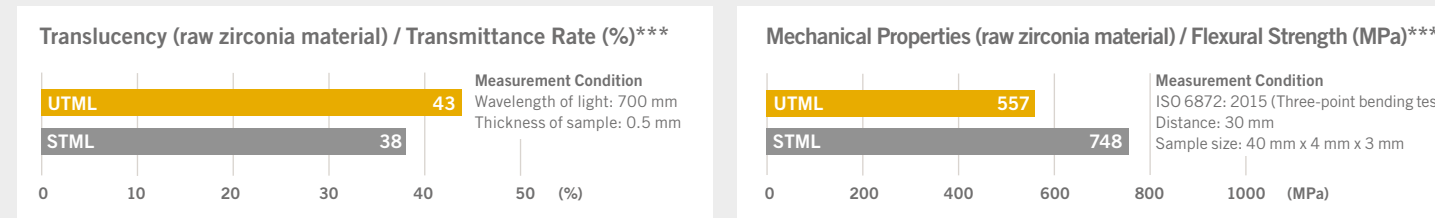
Technical specifications	
Chemical composition	
ZrO ₂ + HfO ₂	87–92 %
Yttrium oxide (Y ₂ O ₃)	8–11 %
Other oxides	0–2 %
Technical properties	
Bending strength	557 MPa
Coefficient of thermal expansion (25–500 °C)	9.7 ± 0.2 10 ⁻⁶ K ⁻¹
Translucency	43 %

Product selection

KATANA Zirconia – Naturalness for all your prosthetics

Our KATANA Zirconia series bring naturalness to all your prosthetics. Zirconia restorations looking too opaque or white belong to the past. Now you can make natural veneers, single-tooth restorations and bridges of up to three units out of zirconia.**

KATANA Zirconia UTML and STML have different translucency and mechanical properties.



By choosing the right series, you can successfully restore a wide-range of cases – from the esthetic anterior to posterior bridgework.

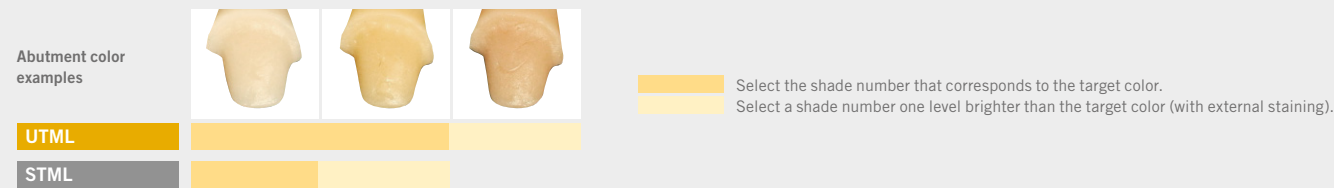
- UTML** Ultra Translucent Multi-Layered. Ideal for anterior crowns and veneers, inlays/onlays and posterior single crowns.
- STML** Super Translucent Multi-Layered. Ideal for up to three units posterior bridges with a well-balanced combination of chromatic and gradational translucency, which reproduces esthetic enamel and dentin effects.

Shade Selection

UTML	Standard Shades	A1	A2	A3	A3.5	A4	B1	B2	B3	B4
		C1	C2	C3	C4	D2	D3	D4		
STML	Standard Shades	A1	A2	A3	A3.5	A4	B1	B2	B3	
		C1	C2	C3	D2	D3				

Recommendations for Shade Selection

The range of abutment color varies by the translucency of the series.



Zirconia with a high refractive index tends to look brighter on the posterior area. For posterior restorations using UTML or STML, choose one shade darker than the target shade to achieve a natural look with surrounding teeth.

- Even when the same shade color is used, the glazing and polishing will result in different color outcomes.
- For glazing, select the target shade color.
 - For polishing, it tends to become one shade darker. Therefore, select one lighter shade than the target shade color.

* This symbol is a commercial designation/registered trademark of a company which is not part of the BEGO company group.
 ** Source: F. Beuer, J. Schweiger, ConsEuro 2015 London, Kuraray Satellite Symposium, May 14th 2015
 *** Data Source: Kuraray Noritake Dental Inc. The numerical value varies according to the conditions.

KATANA Zirconia STML

The super-translucent multi-layered zirconia – inspired by teeth

Restorations made of KATANA Zirconia STML allow the light to shine through in a tooth-like manner in the incisal area. In the cervical area the translucency is gradually reduced. The light transmission of KATANA Zirconia STML in the „Enamel Layer“ is comparable to IPS e.max* CAD LT. So that aesthetic full-contour restorations are possible regardless of the shade of the die.

The integrated translucency and color gradient makes KATANA Zirconia STML a pioneer among zirconium oxide materials. Let yourself be inspired by the aesthetics of the next full-contour restoration.



Indications

- Single-tooth restorations in the anterior and posterior area
- Anterior and posterior bridges up to three units

Advantages for you

- Tooth-like manner light transmission
- Aesthetic restorations are almost possible regardless of the shade of the die
- Integrated translucency and color gradients
- Easy handling – only glazing or polishing necessary
- No laborious pretreatment required when placing the restoration
- Available in 13 VITA* classic shades

Technical specifications	
Chemical composition	
ZrO ₂ + HfO ₂	88–93 %
Yttrium oxide (Y ₂ O ₃)	7–10 %
Other oxides	0–2 %
Technical properties	
Bending strength	748 MPa
Coefficient of thermal expansion (25–500 °C)	9.8 ± 0.2 10 ⁻⁶ K ⁻¹
Translucency	38 %

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