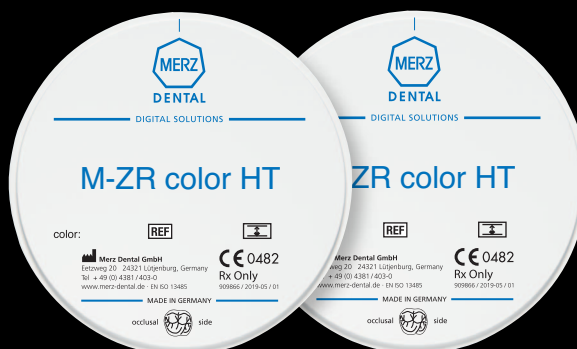


**FOR THE RELIABLE
COLOUR REPRODUCTION**



NEW

M-ZR color HT

HIGHLY TRANSLUCENT (PRE-COLOURED)

The M-ZR color HT combines the well-known positive properties of classic zirconia with a significant increase in translucency. This material is perfect for all highly aesthetic restorations.

Perfectly suitable for

- ✓ Crowns and bridges (of any span range) .
- ✓ Also for monolithic bridges ≥ 4 units
- ✓ Cut back (one layer)
- ✓ Highly aesthetic veneering work
- ✓ Time-saving, as no additional colouring or drying is necessary

*Translucency measured by means of a spectrophotometer on 1 mm thick, polished samples.

CE 0482



Height	A1	A2	A3	A3.5	B1	B2	C2	D3
10 mm / REF	1019367	1010374	1019381	1019388	1019395	1019402	1019541	1019548
14 mm / REF	1019368	1019375	1019382	1019389	1019396	1019535	1019542	1019549
18 mm / REF	1019370	1019377	1019384	1019391	1019398	1019537	1019544	1019551
20 mm / REF	1019371	1019378	1019385	1019392	1019399	1019538	1019545	1019552
25 mm / REF	1019373	1019380	1019387	1019394	1019401	1019540	1019547	1019554

**1250
MPa**

**40%*
Translucency**

3Y-TZP-LA

Physical properties

Characteristic	Unit	Value
Density (after sintering)	[g/cm ³]	> 6.0
CTE (25 - 500 °C)	[10 ⁻⁶ K ⁻¹]	~ 10.5
Fracture toughness (SEVNB)	[MPa√m]	> 10
Fracture toughness (SEPB)	[MPa√m]	4.0
Flexural strength	[MPa]	> 1250 (3 point test)
E-modulus	[GPa]	> 200

Chemical composition [wt. %]

ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥ 99.0
Y ₂ O ₃	< 6
Al ₂ O ₃	≤ 0.15
Other oxides	≤ 1.0

Technical data

Type	3Y-TZP-LA
Indication ISO 6872	Type II, class 5 – all dental constructions, all bridges ≥ 4 units with max. 2 connected pontics
Colour	pre-coloured acc. to VITA®
Aesthetics	highly translucent
Sintering temperature	1450 °C
CAM system	open systems for Ø 98.5 mm blanks
Multi Additive Technology®	reliable reproduction of colour via industrial colouring

Digital Solutions by



All zirconia
YOU need.



INDICATION	VENEERS	INLAYS/ ONLAYS	reduced CROWN	monolithic CROWN anterior	monolithic CROWN posterior	Hybrid ABUTMENT CROWN	monolithic BRIDGE (3-unit)	monolithic BRIDGE (≥ 4-unit)	reduced BRIDGE (3-unit)	reduced BRIDGE (≥ 4-unit)	Hybrid ABUTMENT	BARS
M-ZR multilayer HT+ 800 MPa												
M-ZR multicolor ST > 1250 MPa												
M-ZR color HT 1250 MPa												
M-ZR white HT 1100 MPa												

*Translucency measured by means of a spectrophotometer on 1 mm thick, polished samples.

MATERIAL	5Y-TZP	4Y-TZP	3Y-TZP-LA
Type (ISO 6872)	Type II class 4	Type II class 5	Type II class 5 (ISO 13356 conform)
SEM picture of crystal structure			
Cubic phase	~ 50 %	~ 30 %	~ 0 %
Strength (3 point test)	800 MPa	> 1250 MPa	1100 MPa white (4 point test) 1250 MPa color (3 point test)
Scheme of light refraction			
Translucency (1 mm thick)	49 %	45 %	40 %