



NexxZr.™T

—
Translucent.
High strength.

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NexxZr®.T



NexxZr®.T is a dental zirconium oxide (3Y-TZP) with very high flexural strength (1270 MPa) and medium translucency (42%).

This combination enables a maximum variety of indications for the fabrication of monolithic and anatomically reduced single-tooth and bridge restorations. The soft material quality of the discs positively affects the lifetime of the milling tools and ensures effortless separation and post-processing. Thanks to these properties, NexxZr T provides an economic advantage for the users in the laboratory. The proven product properties of the material were honored several times with the Dental Advisor Award "Long-Term-Performer Esthetic Zirconia".

Technical data



Type
3Y-TZP



Flexural strength
1270 MPa



Translucency
42%



Indications
Single-unit restorations up to multi-unit bridges



Processing techniques
Infiltration technique
Staining technique
Cut-back technique
Layering technique
(CTE_{Ceramic} < 10.1 x 10⁻⁶/K)

Highlights

1 Very high strength combined with medium translucency Maximum variety of indications



1270 MPa
42% Translucency

Medium translucency



Esthetic results with maximum range of indications

2 Dental Advisor Award Product performance proven for years

Award-Winning Features:

Natural-Looking

Due to the high translucency, NexxZr T is natural-looking yet highly esthetic.

Strong

Virtually no wear was reported in a Dental Advisor long term (3-Years) study.

Source: © The Dental Advisor



3 Soft material quality of the discs High effectiveness and economic efficiency



Effortless separation and very good machinability



Optimized material properties for long service life of the milling tools



Excellent milling results and sharp edges

Sintering programs

| | Number of units | Duration | Phase | Temperature | Heating / Cooling rate | Holding Time |
|------------|-----------------|----------|-------|-------------|------------------------|--------------|
| | | h | | °C | °C/min. | min. |
| Standard | 1-5 | ~3.7 | 1 | 20-1300 | 30 | 30 |
| | | | 2 | 1300-1530 | 40 | 60 |
| | | | 3 | 1530-900 | 15 | - |
| | | | 4 | 900-80 | 20 | - |
| | 5-10 | ~5.2 | 1 | 20-1300 | 30 | 60 |
| | | | 2 | 1300-1530 | 40 | 120 |
| | | | 3 | 1530-900 | 15 | - |
| | | | 4 | 900-80 | 20 | - |
| Long | 1-20 | ~10.7 | 1 | 20-900 | 10 | 10 |
| | | | 2 | 900-1530 | 3 | 150 |
| | | | 3 | 1530-80 | 8 | - |
| | >21 | ~11.7 | 1 | 20-900 | 10 | 10 |
| | | | 2 | 900-1530 | 3 | 210 |
| | | | 3 | 1530-80 | 8 | - |
| Over night | unlimited | ~14.3 | 1 | 20-250 | 2 | - |
| | | | 2 | 250-1530 | 4 | 240 |
| | | | 3 | 1530-80 | 8 | - |

For more detailed information, please refer to the NexxZr instructions for use.



Delivery forms

Geometries
W-98, Z-95

Thicknesses
10, 12, 14, 16, 18, 20, 22, 25, 30, 35 mm

Colors
White, OM1, OM2, OM3, A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4

Other top products



NexxZr Tool D

High-performance dental milling tools made of premium carbide with an ultra-hard, nanocrystalline diamond coating



NexxZr T Coloring Liquids

Water-based infiltration liquids for the individual coloring of NexxZr T zirconia



NexxZr+ Multi

Multilayer zirconium oxide with natural esthetics



NexxZr T Multi

A multilayer zirconium oxide with multifunctional esthetics and a wide variety of indications

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