



IPS e.max[®] ZirCAD Prime / Prime Esthetic

For impressive natural results

CTE
(25 – 500 °C)*

$10.5 \pm 0.5 \cdot 10^{-6} \cdot K^{-1}$

BENDING STRENGTH*

P: up to 1,200 MPa (3Y-TZP)

PE: up to 850 MPa (4Y-TZP)



INDICATIONS

P: fully anatomical crowns to multi-unit bridges in the anterior and posterior region as well as crown and bridge frameworks for 3-unit to multi-unit bridges

PE: fully anatomical crowns and up to 3-unit bridges as well as crown and bridge frameworks as cut-backs

BENEFITS

- + High-end aesthetics comparable to lithium disilicate glass-ceramic
- + High aesthetics due to incisally increasing translucency
- + Available in all 16 A-D colours

REFERENCES

IPS e.max® ZirCAD Prime / Prime Esthetic stands for quality and esthetics - comparable to lithium disilicate glass-ceramic. This is made possible by the so-called Gradient Technology, which combines high-strength zirconium oxide (P: 3Y-TZP / PE: 4Y-TZP) and highly translucent zirconium oxide (5Y-TZP) without visible layers and thus enables the remarkable properties of the material.

The restorations supplied by INFINIDENT can be processed using a variety of processing techniques, depending on the material selected. Please observe the processing instructions of the respective manufacturer.

COMPOSITION*

PRIME

PRIME ESTHETIC

Zirconium dioxide (ZrO_2)
 Yttrium oxide (Y_2O_3)
 Hafnium dioxide (HfO_2)
 Aluminium oxide (Al_2O_3)
 other oxides

87.0 - 95,5 %
 > 4.5 % - ≤ 7.0 %
 ≤ 5.0 %
 ≤ 1.0 %
 ≤ 1.5 %

86.0 - 93.5 %
 > 6.5 % - ≤ 8.3 %
 ≤ 5.0 %
 ≤ 1.0 %
 ≤ 1.5 %

* typical material characteristics.
 The published information of the respective material manufacturer shall apply.