

Product Information

VITA In-Ceram[®] ZIRCONIA Powder (glass-infiltrated) VITA In-Ceram[®] ZIRCONIA Blocks (glass-infiltrated)

Physical properties*

Property	Unit of measure	Value
Coefficient of thermal expansion CTE (20 - 500°C)	10^{-6} K^{-1}	7.8
Chemical solubility (ISO 6872)	$\mu\text{g}/\text{cm}^2$	1118
Infiltrated density	g/cm^3	4.24
Flexural strength (ISO 6872)	MPa	600
Fracture toughness infiltrated (SEVNB)	$\text{MPa}\cdot\sqrt{\text{m}}$	4.4
Young`s modulus (Resonance Method)	GPa	258
Poisson`s ratio		0.25

The requirements of ISO 6872 are fulfilled.

*The given physical and technical values are typical values and apply to testing samples manufactured on our premises and in-house measuring equipment.
If samples manufactured elsewhere and/or other measuring instruments are used, differing results are to be expected.

These products are certified and bear the CE-mark **CE** 0124.

