

Product Information

VITA In-Ceram[®] YZ for inLab[®]

Physical properties*

Property	Unit of measure	Value
Coefficient of thermal expansion CTE (20 - 500°C)	$10^{-6} K^{-1}$	10.5
Chemical solubility (ISO 6872)	$\mu g/cm^2$	< 20
Density after sintering	g/cm^3	6.05
Flexural strength (ISO 6872)	MPa	> 900
Fracture toughness (SEVNB)	$MPa \cdot \sqrt{m}$	5.9
Young`s modulus (Resonance Method)	GPa	210
Melting point	°C	2706
Vickers hardness	HV	1200
Particle size after sintering	nm	~ 500

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.

VITA In-Ceram YZ is certified and bear the CE mark **CE** 0124.

