Product Information

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

Physical properties*

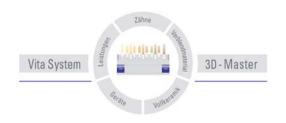
Property	Unit of measure	Value
Coefficient of thermal expansion CTE (20 - 500°C)	10 ⁻⁶ K ⁻¹	7.4
Chemical solubility (ISO 6872)	μ g/cm ²	1115
Infiltrated density	g/cm ³	3.84
Flexural strength (ISO 6872)	MPa	500
Fracture toughness infiltrated (SEVNB)	MPa·√m	3.9
Young`s modulus (Resonance Method)	GPa	280
Poisson`s ratio		0.23

The requirements of ISO 6872 are fulfilled.

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

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VITA Zahnfabrik · H. Rauter GmbH & Co. KG · Postfach 13 38 · D-79704 Bad Säckingen





^{*}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.