Product Information

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

Physical properties*

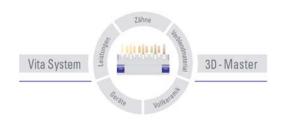
| Property | Unit of measure | Value |
|---|----------------------------------|-------|
| Coefficient of thermal expansion CTE (20 - 500°C) | 10 ⁻⁶ K ⁻¹ | 7.8 |
| Chemical solubility (ISO 6872) | μ g /cm² | 1118 |
| Infiltrated density | g/cm ³ | 4.24 |
| Flexural strength (ISO 6872) | MPa | 600 |
| Fracture toughness infiltrated (SEVNB) | MPa⋅√m | 4.4 |
| Young`s modulus (Resonance Method) | GPa | 258 |
| Poisson`s ratio | | 0.25 |

The requirements of ISO 6872 are fulfilled.

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

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^{*}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.