

# Product Information

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## VITA In-Ceram<sup>®</sup> SPINELL Powder (glass-infiltrated) VITA In-Ceram<sup>®</sup> SPINELL Blocks (glass-infiltrated)

### Physical properties\*

Property	Unit of measure	Value
Coefficient of thermal expansion CTE (20 - 500°C)	$10^{-6} \text{ K}^{-1}$	7.7
Chemical solubility (ISO 6872)	$\mu\text{g}/\text{cm}^2$	1025
Infiltrated density	$\text{g}/\text{cm}^3$	3.57
Flexural strength (ISO 6872)	MPa	400
Fracture toughness infiltrated (SEVNB)	$\text{MPa}\cdot\sqrt{\text{m}}$	2.7
Young`s modulus (Resonance Method)	GPa	185

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  0124.

