



MAY 2018

LABORATORY INFORMATION

SINA Z / SINA T TECHNICAL DATASHEET

Type 5 Acc. ISO6872

Chemical composition

ZrO ₂ / HfO ₂ Zirconium dioxide	Y ₂ O ₃ Yttrium oxide	Al ₂ O ₃ Aluminum oxide	Other oxides
93.6 – 94.5%	4.5 - 5.4%	<0.5%	<0.5%

Mechanical properties

Flexural strength	[MPa]	>1 150
Young's modulus	[GPa]	210
Vickers Hardness	[HV]	1 250

Physical properties

Density	[g/cm ³]	>6.035
CTE – Coefficient of Thermal Expansion 20 – 500°C	[10 ⁻⁶ /K]	10
Translucency	-	Sina Z : 30% Sina T : 40%

Colours available (colours used as base to reach the shade guide Vita*):

Type A	A1 A2 A3 A3.5 A4
Type B	B1 B2 B3 B4
Type C	C1 C2 C3 C4
Type D	D2 D3 D4

*Registered trademark.