

Property	Unit	NexxZr T Value	ISO Requirement
Bulk Density	g/cm <sup>3</sup>	6.085~6.095	≥ 6.00 (ISO 13356)
ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	%	> 99.5	> 99
ZrO <sub>2</sub>	%	91.6	N/A
Y <sub>2</sub> O <sub>3</sub>	%	5	4.5 - 6
HfO <sub>2</sub>	%	3	≤ 5
Al <sub>2</sub> O <sub>3</sub>	%	< 0.15	< 0.5
Other Oxides	%	< 0.2	< 0.5
Mean Linear Intercept Distance	μm	0.25 ± 0.05	≤ 0.4 (ISO 13356)
Biaxial Flexure Strength	MPa	1150 ± 50	≥ 500
CTE		10 x 10 <sup>-6</sup> (25~900°C)	N/A
Fracture Toughness	MPa M <sup>1/2</sup>	10	N/A
Final Sintered Hardness	HV10	1200~1300	N/A
Pre-Sintered Hardness	HV10	60~70	N/A
Translucency	1-CR%(1.0mm)	> 34	N/A