

Zirconia Ceramic Properties

Name		ZrO ₂	ZTA
Compositon		ZrO ₂ >94%	90% AL ₂ O ₃ 10% ZrO ₂
Material Properties	Density g/cm ³	5.9	3.9
	Water Absorption %	0	0
Mechanical Properties	HRA Hardness	>88	>88
	Flexural Strength Mpa	1100	
	Compressive Strength Mpa	2000	
Thermal Properties	Thermal Expansion 10 ⁻⁶ /°C	10	
	Thermal Shock Resistance °C	280-360	
	Thermal Conductivity W/mK	3	
We can make according to your requirement,different ZrO₂ content,different Y₂O₃ content			

The actual value may change because shape or different environment.

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