

## Zirconia Ceramic Grinding Ball Properties

Properties	Unit	Value
Composition	%	94.6% ZrO <sub>2</sub>
Color	/	White
Specific Density	g/cm <sup>3</sup>	≥6.0
Hardness (HV)	GPa	>10
Elastic Modulus	GPa	205
Fracture Toughness	MPa·m <sup>1/2</sup>	7-10
Bending Strength	MPa	1150
Grain Size	μm	<0.5
Thermal Conductivity	W/(m·k)	2.5
Thermal Expansion Coefficient(20-400°C)	10 <sup>-6</sup> k <sup>-1</sup>	9.6

*Remark: The value is just for review, different using conditions will have a little difference.*

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