


## 20% ZTA Material Properties - SU0476


Properties	Unit	Value
ZrO <sub>2</sub>	(wt) %	19.03
Al <sub>2</sub> O <sub>3</sub>	(wt) %	79.87
Density	g/cm <sup>3</sup>	4.24
Hardness	HV	1475
Elastic Modulus	GPa	250
Flexural Strength	MPa	400
Fracture Toughness	MPa·m <sup>1/2</sup>	6
Coefficient of Thermal Expansion	10×10 <sup>-6</sup> /(20 to 400)	9.0
Grain Size	μm	<5
Impact Resistance Temperature	°C	450

*Remark: The value is just for review. Different working conditions may cause some difference..*

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