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## Technical Data Sheet 96% ALUMINA CERAMIC

<b>Model</b>		-	<b>KST-AL96</b>
<b>Chemical properties</b>		%	<b>96</b>
<b>Density</b>		g/cm <sup>3</sup>	<b>3.6</b>
<b>Mechanical properties</b>	<b>Compressive strength</b>	<b>Mpa</b>	<b>2200</b>
	<b>Porosity</b>	%	<b>&lt;0.5</b>
	<b>Hardness</b>	<b>Kg/mm<sup>2</sup></b>	<b>1300</b>
	<b>Poisson</b>		<b>0.23</b>
	<b>Flexural strength</b>	<b>Mpa</b>	<b>340</b>
<b>Thermal properties</b>	<b>Coefficients of thermal expansion</b>	<b>10<sup>-6</sup>/°C</b>	<b>8.4</b>
	<b>Thermal conductivity</b>	<b>W/m K</b>	<b>24</b>
	<b>Max service temperature</b>	<b>°C</b>	<b>1550</b>
<b>Electric conductivity</b>	<b>Permittivity</b>	<b>1MHz</b>	<b>9.4</b>
	<b>Dielectric strength</b>	<b>v/m</b>	<b>15*10<sup>6</sup></b>