

BISQUE ALUMINA

Property	ASTM Method	Units	Bisque Fired	Fully Fired
Color	-	-	white	white

Density	C 20-97	g/cc	2.25	3.71
Hardness	-	Mohs Scale	2	9
Porosity	C 20-97	%	36	0
Flexural Strength	F 417-87	psi	4,000	52,000
Compressive Strength	-	psi	9,000	300,000

Max Use Temperature (Non-loading)	-	Fahrenheit (°F)	2375	3100
		Celsius (°C)	1300	1700

Dielectric Strength (.125" thick)	D 149-97A	V/mil	80	250
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Note: The information in this data sheet is for design guidance only. STC does not warrant this data as absolute values. Forming methods and specific geometry could affect properties. Slight adjustments can be made to some of the properties to accommodate specific customer requirements. Most of the dense materials in the table are resistant to mechanical erosion and chemical attack. STC has performed ASTM testing qualification for certain compositions, in accordance with ASTM D2442. Please consult our technical staff for appropriate material and specific test results.

Note: In addition to the above compositions, STC offers a wide range of alternative materials. Please contact one of our applications engineers for material requirements that may not be shown above.

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