

**CERATUFF-99 SPECIFICATIONS**

S.No	Properties	Value
1.	Composition	>99.5% Alumina
2.	Average crystal size	15-20microns
3.	Specific gravity	3.7-3.8grm/cc
4.	Fusion temperature	1650deg C
5.	Maximum use temperature	1500 deg C
6.	Compressive strength (20 Degree Centigrade)	>3800kg/cm2
7.	Tensile strength (20 Degree Centigrade)	>300kg/cm2
8.	Flexural strength (20 Degree Centigrade)	>2500kg/cm2
9.	Hardness (On Moh scale Hv 10)	>9
10.	Porosity	Nil
11.	Modulus of Rupture	1400kg/cm2
12.	Coefficient of thermal expansion (20-1000 Degree Centigrade)	7.2 x10 -6 per deg C
13.	Density	3.65-3.75grm/cc
14.	Corrosion Resistant (mg/cm <sup>2</sup> /day) with 95% H2So4 at 20 degree Centigrade	0.01mg/cm2/day
15.	Abrasion Test Loss	0.01grm. max
16.	Jet Erosion Test 45 deg	0.02max
17.	90 deg	0.04max
18.	Water absorption	<0.1%

All the value above are average value and for reference only.

**HOFMANN ENGG. & MKTG. P. LTD.**  
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