

CERATUFF-90 SPECIFICATIONS

S.No	Properties	Value
1.	Composition	>90% Alumina
2.	Average crystal size	4-6 micron
3.	Specific gravity	3.4 to 3.6
4.	Fusion temperature	1450deg C
5.	Maximum use temperature	1000 deg C
6.	Compressive strength (20 Degree Centigrade)	>3200kg/cm2
7.	Tensile strength (20 Degree Centigrade)	>250kg/cm2
8.	Flexural strength (20 Degree Centigrade)	>2200kg/cm2
9.	Hardness (On Moh scale Hv 10)	>8
10.	Porosity	nil
11.	Modulus of Rupture	1200kg/cm2
12.	Coefficient of thermal expansion (20-1000 Degree Centigrade)	7.2 x10 <sup>-6</sup> per deg C
13.	Density	3.4-3.6 grm/cc
14.	Corrosion Resistant (mg/cm <sup>2</sup> /day) with 95% H2So4 at 20 degree Centigrade	0.03mg/cm2/day
15.	Abrasion Test Loss	0.03grm. 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.

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