

CERATUFF-92 SPECIFICATIONS

S.No	Properties	Test Ref	Value
1.	Composition	IS-1527	>92% Alumina
2.	Average crystal size		4-6 micron
3.	Specific gravity	IS-5913	> 3.6
4.	Fusion temperature		1530deg C
5.	Maximum use temperature		1000 deg C
6.	Compressive strength (20 Degree Centigrade)	ASTM C773	>10000 kg/cm ²
7.	Flexural strength (20 Degree Centigrade)	ASTM F417	>2400kg/cm ²
8.	Hardness (On Moh scale Hv 10)	IS-13630	9
9.	Water Absorption	IS- 13630	<0.01%
10.	Fracture Toughness K(IC)		4 MPa/m ²
11.	Coefficient of thermal expansion (20-1000 Degree Centigrade)		7.2 x10 ⁻⁶ per deg C
12.	Density	IS-5913	3.6 gm/cc
13.	Corrosion Resistant (mg/cm ² /day) with 95% H ₂ So ₄ at 20 degree Centigrade		0.03mg/cm ² /day
14.	Abrasion Test Loss	ASTM-G65-04	0.03gm. max
15.	Jet Erosion Test 45 deg	ASTM-G76	0.02max
16.	90 deg		0.04max

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

HOFMANN ENGG. & MKTG. P. LTD.
WEAR RESISTANT TECHNOLOGY DIVISION
307, SHUBHAM COMPLEX,
VASTRAPUR, AHMADABAD-380054
GUJARAT, INDIA.
TEL: +91 79 26853867/40053867
FAX: +91 79 26850175
EMAIL: info@hofmannindia.com
Web: www. Hofmannindia.com