CFS Alumina 96% Al2O3

C 795 - White

PROPERTY	UNIT	VALUE
Classification as per DIN ISO	-	C 795
Main component	Weight - %	96% Al2O3
Colour	-	White
Density	g/cm^3	3,78
Open porosity	Vol - %	0
Bending strength	MPa	>300
Compressive strength	MPa	-
Modulus of elasticity	GPa	>300
Vickers hardness	N/mm^2	>15.000
Fracture toughness	MPa $m^{1/2}$	4
Weibull modulus	-	12
Linear thermal expansion coefficient	10^{-6} K^{-1}	8,2
Thermal conductivity	W m^{-1} K^{-1}	26
Max. working temperature in air	°C	1600

TECHNICAL NOTES

The values were determined on test specimens and are typical for the respective material. Product attributes may vary depending on the design and production process. Other materials are available on demand.