

80% and 99.5% Alumina for Tubes

Chemical Analysis

Constituents	Alumina 80%	Alumina 99.5%
Al ₂ O ₃ Min	80	99.5
SiO ₂ Max	18	0.2
Fe ₂ O ₃ Max	0.3	--
Na ₂ O Max	1	0.2

Physical Properties

Constituents	Alumina 80%	Alumina 99.5%
Color	White	Ivory
Sp.Gr. - gms/cc	3.2	3.9
Water Absorption	0	0
Max Service Term	1450	1650
Gas Permeability	Nil	Nil
Hardness R45N	72	83
Chemical Resistivity	Good	Excellent
Flexural Strength N/mm ²	280	365
Tensile Strength N/mm ²	---	260
CTE (RT-14000 C) x 10 ⁻⁶ /°C Max.	---	8.3

The Values are obtained from standard bars & cubes, Data on other shapes shall differ, the data should not be taken as a specification but for general guidance only.