

Refractory Alumina Materials Data Sheet

Property	Units	66V	90V
Description			
Nominal Composition		Al ₂ O ₃ (66.91%) SiO ₂ (29.43%)	Al ₂ O ₃ (88.73%) SiO ₂ (10.01%)
Microstructure			
Bulk Density	[g/cm ³]	2.41	2.83
Apparent Porosity	[vol%]	15.90	18.60
Colour		Off White	White
Mechanical Properties			
Compressive Strength	[MPa]	46.5	103.5
Erosion Loss	[cc]	7.9	4.9
Modulus of Rupture	[Mpa]	11.0	16.0
Thermal Properties			
Max Working Temperature	[°C]	1500	1700
Thermal Expansion Coefficient	[x 10 ⁻⁶ /K]	7.8	7.8

Note: The above data represent typical values of Rojan Refractory Alumina.