

# BauxSTAR90 HD

Chemical Analysis (Std)		
%	Typical	Guaranteed
Al <sub>2</sub> O <sub>3</sub>	91.14	Min 90%
SiO <sub>2</sub>	4.58	Max 6%
Fe <sub>2</sub> O <sub>3</sub>	0.67	Max 0.9%
TiO <sub>2</sub>	3.01	Max 4%
CaO	< 0.1	—
MgO	< 0.1	—
Na <sub>2</sub> O	0.03	Max 0.1%
K <sub>2</sub> O	< 0.1	Max 0.1%

Physical Properties			
	Typical	Guaranteed	
Bulk density	3.24	3.20	g/cm <sup>3</sup>
Water absorption	3.51	—	%
Apparent Porosity	11	—	%

Mineralogical spec.	
Main Phase	α- alumina
Secondary Phase	Mullite

**BauxSTAR90 HD** is the highest quality bauxite from the Bonasika deposits in Guyana, calcined in Spain, with very low iron content and high density for the production of the best quality alumina bricks and concretes.

**Calcination Temperature: Above 1.650° C**