MCC ENGINERING &CONSTRUCTION

Ceramic.Refractories.Insulation

HIGH ALUMINA BRICK
Typical Parameters

Description	MCC		
	HAB-55	HAB-65	HAB-75
Al_2O_3 (%)	≫55	≫65	≫75
Fe_2O_3 (%)	≫2.5	≫2.0	≫2.0
Bulk Density Kg/m^3	≫2300	≫2400	≫2500
Apparent porosity (%)	≪23	≪22	≪20
CCS (Mpa)	≫40	≫55	≫60
MOR (Mpa)	≫9	≫11	≫13
RUL@0.2Mpa 0.6%	≫1400	≫1450	≫1550
Refractoriness (ºC)	1770	1790	1790
Thermal Conductivity@700ºC.(W/m.k)	≪1.49	≪1.49	≪1.49
Max.Application Temperature (ºC)	≪1450	≪1500	≪1600
Reheating Linear Change Rate (1500ºC x 2h) .(%)	±0.2	±0-0.2	±0-0.2
Typical Application	Blast furnace, hot blast stove, electric furnace, refining furnace, and glass furnace		