

C80AL

CLASSIFICATION	High-Alumina Low Cement Castable (Aluminium Resistance)		
PHYSICAL PROPERTIES	Max. Service Temperature	°C	1600
	Maximum Grain Size of Aggregate	mm.	5
	Approximate Weight Required for Casting	kg/m ³	3080
	Approximate Amount of Water Required for Casting	%	6-6.5
	Bulk Density After Drying at 110 °C	kg/m ³	2890
	Modulus of Rupture		
	After Drying at 110 °C	kg/cm ²	100
	After Drying at 1200 °C	kg/cm ²	160
	Cold Crushing Strength		
	After Drying at 110 °C	kg/cm ²	500
	After Drying at 1200 °C	kg/cm ²	900
CHEMICAL COMPOSITION	Alumina (Al ₂ O ₃)	%	80
	Silica (SiO ₂)	%	14
	Iron Oxide (Fe ₂ O ₃)	%	1
	Lime (CaO)	%	1.7
	Titanium Dioxide (TiO ₂)	%	2.7
THERMAL EXPANSION	400 °C	%	0.19
	800 °C	%	0.55
	1000 °C	%	0.67
	1200 °C	%	0.83

The above data are typical values of which the properties of the samples tested according to the internal procedure and standard of Siam Refractory generally accepted by our customers for many years. The above data can not be used for specification or guarantee purpose. Siam Refractory reserves the right to update the above data and change our internal procedure and standard without any prior notice.