

# HI 30

<b>Classification</b>	Insulating Firebrick ASTM C 155 Group No. 30		
<b>Physical Properties</b>	Max. Service Temp.	°C	1620
	Bulk Density	kg/m <sup>3</sup>	1060
	Cold Crushing Strength	kg/cm <sup>2</sup>	40
	Modulus of Rupture	kg/cm <sup>2</sup>	15
	Permanent Linear Change After Heating at 1620 °C	%	-0.70
<b>Chemical Composition</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	78.0
	Silica (SiO <sub>2</sub> )	%	18.0
	Lime (CaO)	%	0.20
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	0.20
<b>Thermal Expansion</b>	at 400 °C	%	0.3
	at 800 °C	%	0.5
	at 1000 °C	%	0.7
	at 1200 °C	%	0.9
	at 1400 °C	%	1.1
<b>Thermal Conductivity</b>	at 350 °C	W/m.K	0.32
	at 400 °C	W/m.K	0.38
	at 600 °C	W/m.K	0.42
	at 800 °C	W/m.K	0.52
	at 1000 °C	W/m.K	0.56
	at 1100 °C	W/m.K	0.60
	at 1200 °C	W/m.K	0.68

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.

**THE SIAM REFRACTORY INDUSTRY CO., LTD.**

1 Siam Cement Road, Bangsue, Bangkok 10800 Thailand Tel. (+662) 586-3246-52 Fax. (+66 2) 586-2982, 587-2149

