

# HI 28

<b>Classification</b>	Insulating Firebrick ASTM C155, Group No. 28		
<b>Physical Properties</b>	Max. Service Temperature	°C	1540
	Bulk Density	kg/m <sup>3</sup>	860
	Cold Crushing Strength	kg/cm <sup>2</sup>	30
	Modulus of Rupture	kg/cm <sup>2</sup>	20
	Permanent Linear Change After Heating at 1510 °C	%	-0.50
<b>Chemical Composition</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	61.0
	Silica (SiO <sub>2</sub> )	%	36.0
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	0.5
<b>Thermal Conductivity</b>	350 °C	W/m.K	0.31
	400 °C	W/m.K	0.35
	600 °C	W/m.K	0.39
	800 °C	W/m.K	0.45
	1000 °C	W/m.K	0.52

The above data are typical properties of 9" commercial straight brick. The data are subjected to reasonable variations and should not be used for specification purposes.

ASTM test methods, and SRIC's written procedure, where applicable, used for determination of data.

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

1 Siam Cement Road, Bangsue, Bangkok 10800 Thailand Tel. (+66 2) 586-3242-53 Fax. (+66 2) 586-2982, 587-2149

