

# CAST 18 LW

<b>Classification</b>	Insulating Castable ASTM C 401 Class V		
<b>Physical Properties</b>	Maximum Service Temperature	°C	1800
	Approximate Weight Required for Casting	kg/m <sup>3</sup>	1450
	Approximate Amount of Water Required for Casting	%	20
	Bulk Density After Drying at 110 °C	kg/m <sup>3</sup>	1650
	Modulus of Rupture After Drying at 110 °C	kg/cm <sup>2</sup>	30
	Modulus of Rupture After Heating at 1760 °C	kg/cm <sup>2</sup>	25
	Cold Crushing Strength After Drying at 110 °C	kg/cm <sup>2</sup>	150
	Cold Crushing Strength After Heating at 1760 °C	kg/cm <sup>2</sup>	150
	Permanent Linear Change After Heating at 1760 °C	%	-0.40
<b>Chemical Composition</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	94.5
	Silica (SiO <sub>2</sub> )	%	0.5
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	0.1
	Lime (CaO)	%	4.5
<b>Thermal Conductivity</b>	at 400 °C	W/m.K	0.82
	at 600 °C	W/m.K	0.76
	at 800 °C	W/m.K	0.73
	at 1000 °C	W/m.K	0.73

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

