

# CAST 10 LW

<b>Classification</b>	Insulating Castable ASTM C 401 Class N		
<b>Physical Properties</b>	Maximum Service Temperature	°C	1000
	Approximate Weight Required for Casting	kg/m <sup>3</sup>	600
	Approximate Amount of Water Required for Casting	%	110
	Bulk Density After Drying at 110 °C	kg/m <sup>3</sup>	580
	Modulus of Rupture After Drying at 110 °C	kg/cm <sup>2</sup>	3
	Modulus of Rupture After Heating at 800 °C	kg/cm <sup>2</sup>	5
	Cold Crushing Strength After Drying at 110 °C	kg/cm <sup>2</sup>	6
	Cold Crushing Strength After Heating at 800 °C	kg/cm <sup>2</sup>	11
	Permanent Linear Change After Heating at 925 °C	%	-0.90
<b>Chemical Composition</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	24.0
	Silica (SiO <sub>2</sub> )	%	44.0
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	6.8
	Lime (CaO)	%	16.8
<b>Thermal Conductivity</b>	at 400 °C	W/m.K	0.17
	at 600 °C	W/m.K	0.20

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

