NEOCAS 1650

Classification	High-Alumina Low Cement Castable		
Physical Properties	Maximum Service Temperature	°C	1650
	Maximum Grain Size of Aggregates	mm	12.5
	Approximate Weight Required for Casting	kg/m^3	2680
	Approximate Amount of Water Required for Casting	%	5.0-6.0
	Bulk Density After Drying at 110 °C	kg/m^3	2700
	Modulus of Rupture After Drying at 110 °C	kg/cm^2	80
	Modulus of Rupture After Heating at 1650 °C	kg/cm^2	100
	Cold Crushing Strength After Drying at 110 °C	kg/cm^2	600
	Cold Crushing Strength After Heating at 1650 °C	kg/cm^2	1100
	Permanent Linear Change After Heating at 1650 °C	%	-0.20
Chemical Composition	Alumina (Al_2O_3)	%	68.0
	Silica (SiO_2)	%	24.0
	Iron Oxide (Fe_2O_3)	%	1.1
	Lime (CaO)	%	1.6
Thermal Expansion	at 400 °C	%	2.0
	at 500 °C	%	2.0
	at 600 °C	%	2.0
	at 800 °C	%	2.0
	at 1000 °C	%	2.0
	at 1200 °C	%	2.0
Thermal Conductivity	at 400 °C	W/m.K	1.6
	at 500 °C	W/m.K	1.6
	at 600 °C	W/m.K	1.6
	at 800 °C	W/m.K	1.6
	at 1000 °C	W/m.K	1.7
	at 1200 °C	W/m.K	1.8

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.

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