

Calcium Silicate Product



Application

The products are widely applied to Industrial furnaces such as cement kiln, glass furnace and pottery kiln as well as heat preservation and energy conservation project on all kinds of high temperature equipments like petrochemical industry, metallurgy and electric power.

Characteristic

1. Excellent thermal insulation
2. Long service time
3. High specific strength
4. Facility in construction
5. Safe in utilization

Specification:

Brands	Xonotlite		Tobermorite		ASTM C533-85	JIS 9510-95	
	CB1-22	CB1-17	CB2-22	CB2-17	NO.2	No.1-22	No.2-17
Bulk density(kg/m ³)	≤220	≤170	≤220	≤170	≤240	≤220	<170
Rupture strength(MPa)	0.40	0.26	0.35	0.25	≥0.31	≥0.29	>0.20
Thermal conductivity (W/ m. k)(70℃)	0.058	0.055	0.061	0.055	<0.095 (240℃)	<0.062	<0.055
Linear shrinkage(%)	<1.0 (1000℃16hr)	<1.0 (1000℃16hr)	<1.5 (650℃16hr)	<1.5 (650℃16hr)		<2.0 (1000℃ 3hr)	<2.0 (<650℃ 3hr)
Max. service temp(℃)	1000	1000	650	650	982	1000	650
Standard sizes(mm)	Length: 400~610 Width: 250~300 Thickness: 30~100						
Tolerances	Length : ±3mm Width: ±2mm Thickness: ±1.5mm						