



Technical Property (Type-I 650°C)							
Item	Unit	TK-200	TK-220	JIS A-9510 No.2-22	ASTM C-533 Type I	TK-170	JIS A-9510 No.2-17
Density	Kg/m3	≤200	≤220	≤220	≤240	≤170	≤170
Service Temperature	°C (°F)	≤650 (≤1200)	≤650 (≤1200)	≤650	≤649 (≤1200)	≤650 (≤1200)	≤650
Compressive Strength	Mpa (kgf/cm2)	≥0.55 (≥5.61)	≥0.58 (≥5.92)		≥0.414	≥0.51 (≥5.20)	
Thermal Conductivity	W/m.k (70±5°C)	≤0.060	≤0.062	≤0.062	≤0.065	≤0.054	≤0.055
Moisture	%	≤5	≤5			≤5	
Linear Shrinkage (650°C 16h)	%	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0
Bending Strength	Mpa (kgf/cm2)	≥0.42 (≥4.28)	≥0.43 (≥4.38)	≥0.3 (≥3.1)	≥0.310	≥0.41 (≥4.18)	≥0.2 (≥2.0)

Standard size & specification-Pipe Cover

Inside Diameter	16mm(1/4")-4800mm(188")
Length	600mm 610mm
Thickness	25mm 30mm 40mm 50mm 60mm 65mm 70mm 75mm 80mm 90mm

Standard size & specification-Board/Block

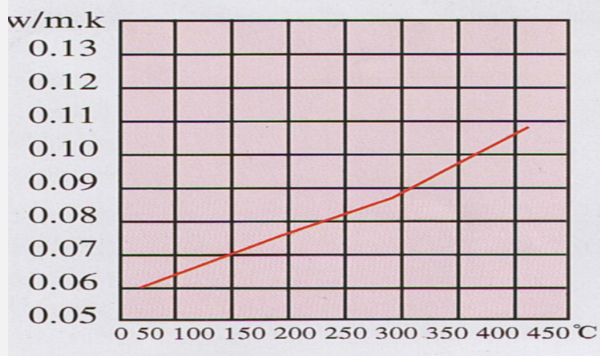
Width	150mm 300mm,304mm,305mm
Length	600mm 610mm,915mm
Thickness	25mm 30mm 40mm 50mm 60mm 65mm 70mm 75mm 80mm 90mm

Insulation Cement

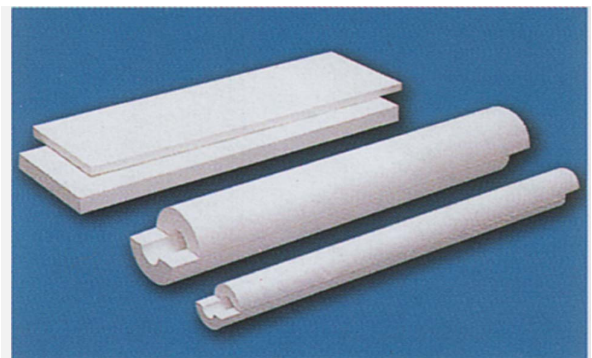
Density (kg/m3)	Package	Material Quantity
≤350	25kg/Bag	13-14kg/m2 25mm THK
Thermal conductivity W/m.k	Compressive Strength (Mpa)	Service Temperature (°C)
≤0.085	≥1.12	650



3V -Grooves Block



The cure of Thermal conductivity



Calcium Silicate