KINGWOOL® The Aluminum Silicate which is also called ceramic fiber blanket are manufactured from corresponding ceramic fibers(COM,ST,HP,HA,HZ) Utilizing high output blowing and spun techniques these products offer superior insulating performance,flexibility and resilience.Available in a variety of chemistry,density and thickness combinations,

*Heat treatment and annealing furnaces * Furnace door linings and seals *Furnace hot face repairs
*Reheating furnace and ladle covers * Reformer and pyrolysis lining *Tube seals,gaskets and expansion joints
*High temperature pipe,Duct and tubine insulation *Boiler insualtion
*Boiler doors *Reusable turbine covers *Expansion seals/pipe coverings
*Insulation of commercial dryers and ovens *Veneer over existing refractory *Stress relieving insulation
*Glass furnace crown insulation *Fire protection *Crude oil heater linings

Specification Range

Item	Unit	Index
Density	kg/m3	128
Thickness	m	25/50
Width	M	0.61
Length	M	7.2/3.6

Technical Parameters

Description		Common	Standard	High Purity	High Alumina	Zirconia
Classification Temperature（℃）		1000	1260	1260	1360	1430
Working Temperature (°C)		< 1000	1050	1100	1200	1350
Color		white	white	white	white	white
Density (kg/m3)		60-128	60-128	80-128	80-160	80-160
Shrinkage(%)of heating 24 hours		-4	-3	-3	-3	-3
(as density 128 kg/m3)		(1000°C)	(1000°C)	(1100°C)	(1250°C)	(1350°C)
Thermal conductivity (w/m.k)(Density 128 kgs/ m3)		0.09(400°C)	0.09(400°C)	0.09(400°C)	0.12(600°C)	0.16(800°C)
		0.16(800°C)	0.16(800°C)	0.16(800°C)	0.20(1000°C)	0.20(1000°C)
Tensile strength (MPa)		0.04	0.04	0.04	0.04	0.04
(density as 128kg/m3)						
Chemical composition(%)	AL2O3	44	46	47-49	52-55	39-40
	AL2O3 & SIO2	96	97	99	-	-
	AL2O3 & SIO2 & ZrO2	-	-	-	99	99

	ZrO2	-	-	-	15-17	15-17
	Fe2O3	<1.2	<1.0	0.2	0.2	0.2
	Na2O & K2O	≤0.5	≤0.5	0.2	0.2	0.2

NRC VALUE

Note: The technical data sheets are based on tests performed in the Laboratory. Nothing herein to be construed as a warranty or representation and we recommend; However, that all potential users of the product make their own actual tests prior to using it on industrial scale.

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