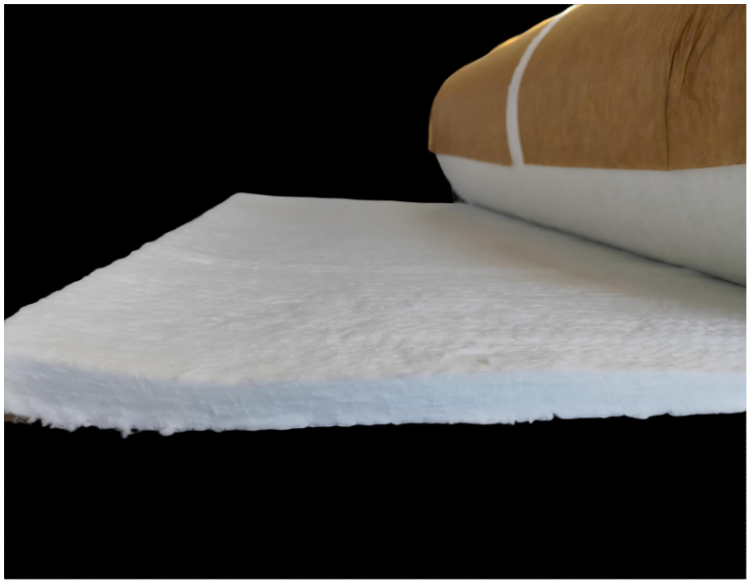
DAKEN AES Fiber Blanket



Introduction

Alkaline Earth Silicate (AES) Fiber is a high-performance insulation material designed for superior thermal efficiency,water repellent,durability, and environmental safety.DAKEN AES Blanket is manufactured by high pure raw materials using soluble fiber manufacturing technology, it combines low thermal conductivity, excellent flexibility, and bio-soluble characteristics for a sustainable and reliable insulation solution.Available in a variety of density and thickness combinations, DAKEN AES Blankets provide effective solutions in a variety of high temperature applications.

Typical Applications

- Fire protection and insulation jackets;
- Industrial furnaces and reformers;
- Offshore and marine PFP systems;
- Expansion joints and gaskets;
- Kiln car linings, heat shields, and pipe wrap;

Key Advantages

- Excellent thermal insulation performance;
- Excellent water repellent;
- Soft and elastic;
- Excellent sound absorption performance;
- Excellent thermal shock resistance;
- Excellent tear resistance and stability;
- Compliant with EC 1272/2008, it secures EU market access and safety;

Typical Parameters

Description	DAKENWOOL1100 BLANKET			DAKENWOOL1200 BLANKET		DAKENWOOL1300 BLANKET	
Classification Temperature(℃)	1100			1200		1300	
Color	White			White		White	
Chemical Composition(%)							
SiO_2	62-68			62-68		≥70	
CaO	26-32			26-32		-	
MgO	4-7			4-7		-	
CaO+MgO	-			-		≥20	
Shot Content(%)	≤12			≤5		≤12	
Water Absorption (% by weight)	≤5			≤5		≤5	
Density (kg/m³)	64	96	128	96	128	96	128
Tensile Strength (kPa)	30	50	70	50	80	50	70
Thermal Conductivity(W/m K,ASTM C201)							
200℃	0.06	0.05	0.05	0.06	0.05	0.05	0.04
400℃	0.12	0.11	0.10	0.10	0.09	0.10	0.08
600℃	0.21	0.18	0.15	0.15	0.12	0.18	0.14
800℃	0.32	0.27	0.23	0.22	0.18	0.30	0.22
1000℃	-	-	-	0.30	0.26	0.46	0.33
1200℃	-	-		-	-	0.68	0.46

The data shown are typical average results of tests under standard procedures and are subject to variation.Results should not be used for specification purposes or creating any contractual obligation.For more information on the safety application or materials,please refer to the work practices and material safety data sheet.