

# SNTS-650

## Nano Aerogel Thermal Insulation Blanket

### OVERVIEW:

SNTS-650 series nano aerogel thermal insulation felt is a flexible and efficient thermal insulation felt, which combines nano aerogel with inorganic fibers, and is specially used for thermal insulation of various medium and high temperature industrial pipelines, tanks and other curved surface equipment. It is the ideal choice for customers who are looking for better thermal insulation and lower energy consumption.

### APPLICATIONS:

This series of products can withstand high temperatures of 600°C for a long time. It is mainly used in oil exploitation steam pipelines, prefabricated insulation pipes, thermal power plants, petrochemical plants, chemical plant pipelines, storage tanks, containers and other equipment insulation, all kinds of high and low temperature furnace equipment, high-speed trains, automobiles, subways and other car body insulation, building insulation, etc.



### Product Features:

- 1、Achieve the same thermal insulation effect, only a fraction of the thickness of traditional materials, and the thermal conductivity is as low as 0.017 W/(m•K);
- 2、The material is water-repellent as a whole, and at the same time has Class A fire resistance;
- 3、It is easy to construct and easy to cut to adapt to various shapes of pipes and equipment insulation;
- 4、Composed of pure inorganic materials, environmental protection and safety, strong acid and alkali resistance, and a service life of up to 20 years;
- 5、Smaller parcel volumes and lower weight significantly reduce the cost of transporting insulation.

**Product specifications:** Width: 1.5m Density: 180±20% kg/m<sup>3</sup> Thickness: 3mm/ 5mm/ 10mm/ 20mm/ according to requirements

### Thickness Recommendation Table:

SNTS-650 series aerogel mat thickness recommendation table											
Nominal straight diameter (mm)	Outside the pipe diameter (mm)	Pipe surface temperature ( °C )									
		100	150	200	250	300	350	400	450	500	550
		The thickness of the insulation (mm)									
50	57	10	15	20	30	35	40	50	65	70	80
80	89	10	15	20	30	35	40	50	65	75	80
100	108	10	15	25	30	40	45	55	65	75	90
150	159	10	15	25	30	40	45	55	70	80	90
200	219	10	20	25	35	45	50	60	70	85	100
250	273	10	20	25	35	45	50	60	75	90	100
300	325	10	20	30	35	45	50	65	75	90	110
350	377	10	20	30	35	45	55	65	75	95	110
400	426	10	20	30	35	50	55	65	80	95	110
450	478	10	20	30	35	50	55	65	80	95	110
500	529	10	20	30	40	50	55	65	80	95	120
600	630	10	20	30	40	50	60	70	90	100	120
700	730	10	20	30	40	50	60	70	90	100	120
800	830	10	20	30	40	50	60	70	90	100	120
The above data refers to the working conditions: the ambient temperature is 25 °C, the wind speed is 1 m/s, and the cold surface temperature is lower than 40 °C.											

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