

## AMA AEROGEL BLANKET HT650

### High Performance Insulation Blanket for Industrial Applications and Building & Construction Sector

#### ·Superior Insulation Performances

2~5 times better insulation performance than traditional materials, achieving same and even better insulation performance with minimum insulation thickness

#### ·Hydrophobic but Vapor Permeable

Water repellency and vapor permeability help to prevent Corrosion Under Insulation(CUI)

#### ·Compression Resistant yet resilient

Compression resistance and bounce-back allow recovering thermal performance after being compressed

#### ·Inorganic and Inflammable Profile

Enables stable performance over long term while providing fire protection to objects

#### ·Easy for Handling and Installation

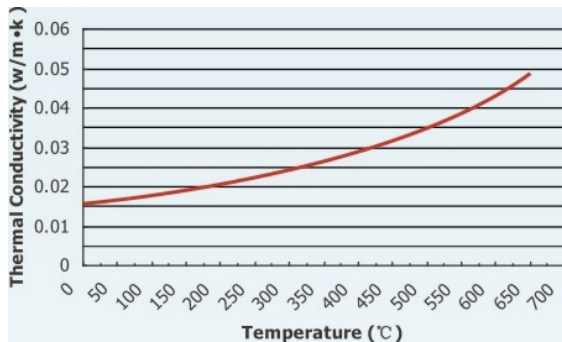
Can be cut on site easily with conventional cutting tools to fit any specific shape or geometry

#### ·Less Volume for Storage and Transportation

Less volume needed for insulation materials, sharply reducing volume and cost for storage and transportation

#### ·Environmentally Safe

No respirable fiber content, directly landfill disposable



#### Applications

- Steam pipelines in petroleum production, pre-insulated pipes
- Power plants, petrochemical plants, chemical plants
- Tanks and containers
- Ovens and furnaces
- Trains and vehicles
- Buildings and constructions

#### Physical Properties

|                             |                      |
|-----------------------------|----------------------|
| <b>Product Form</b>         | Roll                 |
| <b>Standard Thickness</b>   | 3mm, 6mm, 10mm       |
| <b>Max Width</b>            | 1500mm               |
| <b>Thermal Conductivity</b> | 0.021w/m·k (at 25°C) |
| <b>Max Use Temperature</b>  | 650°C                |
| <b>Density</b>              | 200 ± 30 kg/m3       |
| <b>Hydrophobic</b>          | Yes                  |

AMA AEROGEL BLANKET HT650 Series is a high performance insulation blanket composed of silica aerogel, which is the lowest thermal conductor in the world, and non woven glass fiber batting blanket, suitable for the industrial applications with a temperature range between -50°C to +650°C; it's also suitable for building & construction sector.

Being super low thermal conductive, hydrophobic yet vapor permeable, compression resistant and resilient, inorganic and inflammable profile, easy processing with reduced volume, and environmentally safe. AMA AEROGEL BLANKET HT650 Series is the state-of-art product which is the perfect choice for those in need of the best insulation performance with minimum thickness while achieving minimum energy consumption. It is suitable for the insulation of pipes, tanks, containers and other industrial applications for the thermal protection and fireproofing.

AMA AEROGEL BLANKET HT650 is the perfect solution for those who need to improve the performance of insulation and significantly reduce energy consumption. Aerogel is the material with the lower coefficient of thermal conductivity currently on the market. The combination of the granule of Aerogel with resistant glass fibers, make AMA AEROGEL BLANKET HT650 a flexible material, environmentally friendly, easy handling and processing, as to make it the industry leader.



DS AMA AEROGEL HT650 – 01-10-2017

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