

AMA AEROGEL BLANKET LT200ALU

High Performance Insulation Blanket for cryogenic Applications and cold insulation

·Superior Insulation Performances

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

·Hydrophobic with aluminium foil Vapor Barrier

Water repellency and vapor barrier made by aluminium foil 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

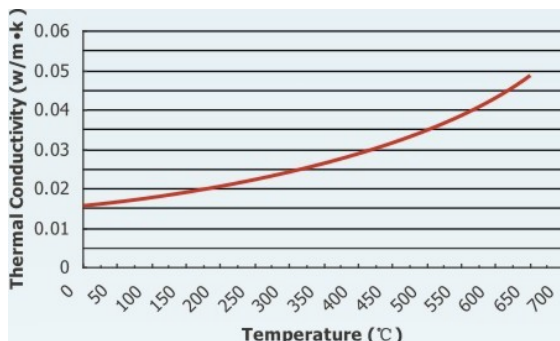
Can be cut on site easily with conventional cutting tools to fit any specific shape or geometry

·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

- Pipelines and equipment in cold insulation
- Biological medicine equipment
- Liquid nitrogen
- LNG

Physical Properties

| | |
|----------------------|----------------------------|
| Product Form | Roll |
| Standard Thickness | 3mm, 6mm, 10mm |
| Max Width | 1500mm |
| Thermal Conductivity | 0.010 Wm·k (-200°C) |
| Max Use Temperature | +100°C |
| Density | 200 ± 30 kg/m ³ |
| Hydrophobic | Yes |

AMA AEROGEL BLANKET HT650N 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 cold applications with a temperature range between -200°C to +100°C.

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 LT200ALU 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. AMA AEROGEL BLANKET LT200ALU 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 LT200ALU a flexible material, environmentally friendly, easy handling and processing, as to make it the industry leader.

