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AMAGEL A2
NEW NANOTECH THERMAL INSULATION

AMAGEL HTR1000

Insulation Panel for High-Temp Industrial Applications and Special Equipments

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

· Vapor Permeability
Vapor permeability help to prevent Corrosion Under Insulation(CUI)

·Compression Resistance
Strong structural strength provides protection for targeted objects

·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

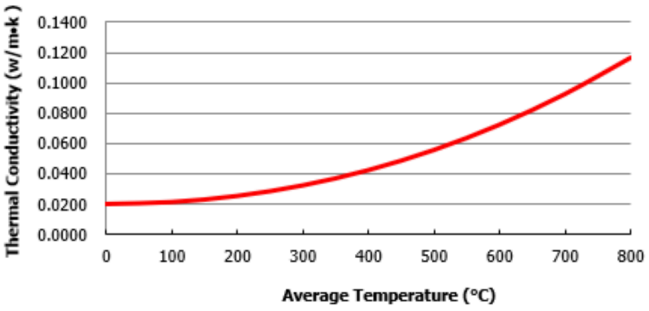
·Less Volume for Storage and Transportation
Less volume needed for insulation materials, sharply reducing volume and cost for storage and transportation

·Enviromentally Safe
Composed of inorganic materials, landfill disposable

AMAGEL HTR1000 is a series of rigid, nano-porous panels designed for different thickness, temperature and high compressive strength insulation in construction, machinery and other applications.

Aerogel is the lowest thermal conductive of any present-recognized solid. With a new nanotechnology, AMAGEL HTR1000 Series combines the nano-sized silica aerogel with fibers which makes it the leading product in the industry.

AMAGEL HTR1000 carrying the excellent properties including extremely low thermal conductivity, environmental-safety, easy-utilization, and hydrophobicity(only applicable for hydrophobic version), is the ultimate choice for those seeking better insulation effect.



Applications
·Medium and high temperatures industrial furnaces
·Removable escape capsule
·Special military equipments
·All high temperature industrial applications

Physical Properties

Product Form	Sheet
Standard Thickness	10mm
Length and Width	1000 * 500 mm
Thermal Conductivity	0.021w/m·k (at 25℃)
Max Use Temperature	1000℃
Density	280 ± 40 kg/m3
Hydrophobic	No