

High-Temperature Insulation Airgel Sheet

This airgel sheet provides exceptional insulation against extreme heat, with one side remaining cool to the touch while the other is exposed to high temperatures. It is suitable for applications needing efficient heat retention or prevention of heat transfer.



ADDITIONAL IMAGES



Product Overview

Advanced Thermal Insulation

This high-temperature insulation airgel sheet represents the pinnacle of thermal management materials, offering the lowest thermal conductivity available for industrial applications. Engineered for extreme environments, it serves as a critical solution for petrochemical and petroleum prospecting engineering. Beyond its primary role in thermal insulation, it also functions effectively as an acoustic impedance coupling material, catalyst carrier, adsorbent, and filtration medium.

Technical Performance

Thermal Performance

1000 °C

Max Heat Resistance

6 mm

Sheet Thickness

100 °C

Surface Temperature

Applications

Primary Applications

- Petrochemical Engineering
- Petroleum Prospecting
- High-Temperature Insulation
- Acoustic Impedance Coupling
- Catalyst Carrier
- Adsorbent Material
- Filtration

Material Properties

Key Features

Low Thermal Conductivity, High Heat Resistance, Industrial Grade, Versatile Utility