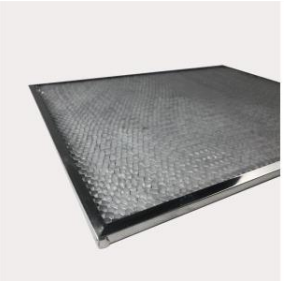
Aluminum Honeycomb Core with Mesh Structure

Aluminum honeycomb core is a lightweight material known for its high strength-to-weight ratio. The core consists of bonded aluminum foil sheets expanded into a cellular, mesh-like structure, providing stability and efficient heat dissipation.



ADDITIONAL IMAGES

Product Overview

High-Performance Aluminum Honeycomb Core

This aluminum honeycomb core features a specialized mesh-like structure designed for applications requiring a superior strength-to-weight ratio. Engineered for versatility, it provides exceptional stiffness, stability, and corrosion resistance, making it suitable for demanding environments. Its unique design enhances airflow and heat transfer capabilities, serving as an ideal solution for structural components, energy absorption, and thermal management.

Physical Properties

Material	Aluminum
Structure	Hexagonal honeycomb mesh

Performance Metrics

Key Performance Indicators

1 High	1 Yes	1 Yes
Strength-to-Weight Ratio	Corrosion Resistance	High Temperature Tolerance

Applications

Primary Applications

- Aerospace components
- Automotive structures
- Construction panels
- Air ventilation systems
- Lighting grids
- Energy absorption devices
- Heat dissipation systems

Suitable Industries	Aerospace, Automotive, Construction, HVAC, Thermal Management