OVERVIEW

Advanced Honeycomb Technologies (AHT), a wholly owned subsidiary of Kordsa, manufactures a wide range of honeycomb core used in products as diverse as aircrafts, communications and transportation equipment, space vehicles, construction materials, recreational and sporting goods.

Located in San Marcos, California, the facility is equipped with an innovative research and development laboratory, efficient production equipment and maintains a rigorous quality management system.

AHT employs a water based resin system, which is more environmentally friendly compared to all other solvent based alternatives. The water based system also provides a more reliable and safer processing.

PRODUCTS

AHN4120 Aerospace Grade Aramid Fiber Honeycomb

AHN4120 is an Aerospace Grade Nomex® Honeycomb which exhibits high strength and toughness in a small cell, low density, non-metallic core structure. It is particularly noted for its corrosion resistance. AHN4120 is fire resistant and is typically used in aerospace industry, where heat release, flammability, smoke and toxicity characteristics are critical. AHN4120 provides high thermal insulation and has high dielectric strength. AHN4120 is easily machined, formed, shaped and is well suited to adhesive bonding.

Specifications

AHN4120 honeycomb meets many aerospace specifications. These include the strength requirements of BMS 8-124, DMS 1974, AMS 3711, and MIL-C-81986. A full list of references and qualifications can be provided upon request.

Availability

AHN4120 is supplied in standard sheet sizes of 48"L by 96"W for hexagonal shaped cells and 39"L by 96"W for over-expanded shaped cells.

Custom sizes are available upon request.
AHN7800 Commercial Grade Aramid Fiber Honeycomb

AHN7800 is a Commercial Grade Nomex® honeycomb particularly suited for use where resistance to corrosive attack and moisture are important. AHN7800 exhibits high strength characteristics and is fire resistant. It is available in a variety of cell sizes and densities. Typical applications include lightweight non-structural bulkheads for ships, joiner panels, shelters, antennas, and auto body panels. AHN7800 is not intended for aerospace applications. AHN7800 provides high thermal insulation and has high dielectric strength. AHN7800 is easily machined, formed, shaped and is well suited to adhesive bonding.

Specifications

AHN7800 is manufactured using Commercial Grade Nomex® paper and is suited for all commercial applications.

Availability

AHN7800 is supplied in standard sheet sizes of 48"L by 96"W for hexagonal shaped cells and 39"L by 96"W for over-expanded shaped cells.

Custom sizes are available upon request.

AHK Kraft Paper / Phenolic Coated Honeycomb

AHK is a structural phenolic coated, water resistant Kraft paper honeycomb. It is primarily used as a high strength low cost core material in air transportable shelters, light weight wall panels, shelving, and non-structural facia panels for high rise construction. AHK exhibits high strength characteristics and provides good thermal insulation. It is available in two cell sizes and five densities.

Specifications

AHK Kraft paper honeycomb conforms to MIL-H-21040 C and ASTM E 1091. AHK Kraft paper honeycomb is very effective withstanding hot and wet environments.

Availability

AHK is supplied in standard sheet sizes of 48"L by 96"W. The sheet thicknesses can be custom cut from 250" to 18" thick depending on the material cell size and density.

Custom sizes are available upon request.