**ARGOSY ALUMINUM HONEYCOMB**

**ARGOSY 3000 SERIES ALUMINUM HONEYCOMB**

ARGOSY 3000 Series Aluminum Honeycomb is a lightweight honeycomb core that offers superior strength and corrosion resistance to meet a broad range of demanding applications. It is high performance, low cost structural core material that is perfect for architectural, transportation, marine and other industrial applications.

**TYPICAL APPLICATIONS**

ARGOSY 3000 Series Aluminum Honeycomb is utilized in a wide range of applications where light weight, high flex strength, corrosion resistant, low cost honeycomb core panels are desired.

- Tooling board
- Airflow control
- Marine interior panels
- Industrial equipment
- Automotive and truck panels
- Energy absorbing applications

**FEATURES**

- Excellent energy absorption qualities
- Corrosion and fungus resistant
- Low cost/high value
- Available with RoHS compliant chrome-free coating
- Excellent strength-to-weight ratio over broad temperature range beyond 350°F/177°C

**ARGOSY 5000 SERIES ALUMINUM HONEYCOMB**

ARGOSY 5000 Series Aluminum Honeycomb is a lightweight honeycomb core that has a regular hexahedron structure; high-quality aluminum foil is selected for phosphorous anodization or chromizing. Features include low density, high strength, rigidity, shock resistance, sound shock absorption, acoustic absorption, and thermal insulation. The product displays excellent dynamic performance and corrosion resistance. Manufactured to AMS-C-7438 Standards.

**TYPICAL APPLICATIONS**

ARGOSY 5000 Series Aluminum Honeycomb is widely used in aerospace components including radome, wing, tailcone, and floor applications.

**FEATURES**

- Excellent energy absorption qualities
- Corrosion and fungus resistant
- Low cost/high value

**ARGOSY VENTED ALUMINUM HONEYCOMB**

ARGOSY Vented (drilled) Aluminum Honeycomb Core is a stiff and stable lightweight product used primarily in tooling applications. Vented honeycomb facilitates the even distribution of heat through the tool. This ensures a consistent, even cure throughout the laminate and minimizes the risk of localized areas of semi-cured material.

**TYPICAL APPLICATIONS**

ARGOSY Vented Aluminum Honeycomb Core is utilized in a wide range of tooling applications where light weight, high flex strength, corrosion resistant, low cost honeycomb core is desired.

- Tooling applications
- Airflow control / heat transfer
- Energy absorption

**FEATURES**

- Material: Aluminum Alloy 3003
- Use Temperature: 180°C and beyond
- Coefficient of Thermal Expansion: 13.2 x 10-6 inch/inch-°F

**ARGOSY ARAMID PAPER HONEYCOMB**

ARAMID Paper Honeycomb Core is a sandwich structure composite made of aramid paper by printing, stacking thermal pressing, stretching, dipping, curing, slicing and other machining processes and dipped in fire-resistance phenolic resin.

**TYPICAL APPLICATIONS**

ARAMID Paper Honeycomb Core is used in aircraft, rockets, spacecraft, satellites, high-speed trains, ships, automobiles, construction, sports equipment and other fields.

**FEATURES**

- Good resin infiltration
- High specific strength and stiffness
- Corrosion resistance and self-extinguishment
- Weather resistance and insulation
- Penetrating electromagnetic wave properties

**VALUE ADDED SERVICES**

**VMI:**

Argosy offers Vendor Managed Inventory (VMI) and consignment stock for high-grade aerospace composites materials. Our VMI solutions are more than just warehouse storage spaces: we take on the responsibility for planning, scheduling, procuring, transporting, and storing materials.

**Expander Table Agreements:**

Argosy can provide expander tables for consistent honeycomb customers. The tables come in either an automatic pinning option or a manual pinning option. They allow for expansion of honeycomb slices into honeycomb sheets. These machines expand multiple sheets at a time, expand faster than hand pulling, and ensure quality expansion every time.

**Cutting & Kitting**

Argosy facilities are equipped with carefully designed cutting rooms (vertical band saw), industrial dust collection systems, and staging areas for material. This setup allows us to provide value-added honeycomb core cut to each customer’s unique and exacting specifications. We also offer “ready to lay up” kits for high quality prepregs and adhesives. This helps customers save material, optimize manufacturing process and increase their production capacity.

**FOR ADDITIONAL INFORMATION**

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For more information, please visit argosyinternational.com