



# DATA CENTER AISLE CONTAINMENT SOLUTIONS

**Piedmont Plastics is a premier wholesale distributor of performance plastics designed for data center aisle containment and infrastructure applications.**

Across more than 50 North American locations, we provide materials that help improve airflow management, reduce cooling costs, minimize downtime, and support long-term performance.

## Available Products

With our extensive inventory and local delivery, Piedmont Plastics supports data center projects of all sizes. Some of our popular materials for data center applications include:

- Twinwall Polycarbonate
- Solid Polycarbonate Sheet
- And Much More

We also supply UL and ASTM E84-rated materials to help meet safety and performance requirements in data center environments.

## Value-Added Services

Piedmont Plastics delivers more than materials: we provide the service, scale, and industry expertise needed to support critical data center projects from start to finish.

Our value-added services for data center applications include:

<ul style="list-style-type: none"><li>• Cut-to-Size Services</li><li>• Run-to-Size Production</li><li>• Routing Services</li><li>• Machining Support</li><li>• Fabrication Assistance</li></ul>	<ul style="list-style-type: none"><li>• Local Inventory</li><li>• Wholesale Distribution</li><li>• Nationwide Stocking</li><li>• On-Time Shipping</li><li>• Market Specialization</li></ul>
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## Twinwall Polycarbonate

Lightweight and durable, twinwall polycarbonate is widely used in data center aisle containment due to its excellent thermal insulation, impact resistance, and energy efficiency. Typical applications include:

- **Aisle Containment Systems:** Ideal for hot and cold aisle separation due to its strength, light weight, and ease of installation
- **Ceiling Panels:** Limits heat transfer and improves airflow in contained environments
- **Doors and Enclosures:** Used in framed containment systems where durability and thermal performance are required

## Solid Polycarbonate Sheet

Solid polycarbonate sheet provides exceptional clarity, impact resistance, and built-in fire performance, making it a trusted solution for:

- **Aisle Containment Walls and Doors:** Clear panels allow full visibility while maintaining separation between hot and cold aisles
- **Monitoring Equipment:** Enables visual access to equipment, cabling, and airflow without compromising containment
- **Equipment Enclosures and Guards:** Protects sensitive infrastructure while allowing inspection and maintenance



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