

# LIGHT Weight. High QUALITY. OPTIMAL STRENGTH.

## Premium Honeycomb from Professional Plastics.

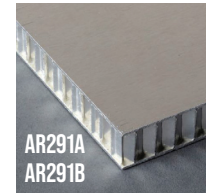
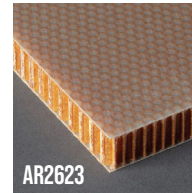
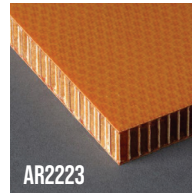
Professional Plastics is an authorized stocking distributor and custom fabricator of Showa composite honeycomb core blocks, core sheets and panels.

Honeycomb is a light weight core material for applications that need structural stiffness. It gets its name from the thousands of hexagon-shaped cells assembled to create the material.

Honeycomb provides the highest strength-to-weight ratio of any structural material and is widely used in a variety of industries, including:

- Aerospace
- Automotive
- Rail
- Ship building
- Architecture
- Sports & Recreation

## SHOWA Honeycomb Panels

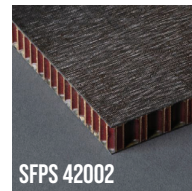


The AeroRigid™ family of products are light weight, smooth surfaced honeycomb sandwich panels designed for use in aircraft interiors, as well as other industrial applications.

**AeroRigid™ 2223** - Fiberglass Phenolic Aramid Honeycomb

**AeroRigid™ 2623** - Fiberglass Epoxy Aramid Honeycomb

**AeroRigid™ 291A & 291B** - Aluminum Honeycomb



SFPS sandwich panels are Carbon Epoxy Aramid Honeycomb with a SAH® core. These high-strength panels are qualified to BMS4-20 specifications for aircraft flooring.

**SFPS 42002** - BMS4-20 Type I

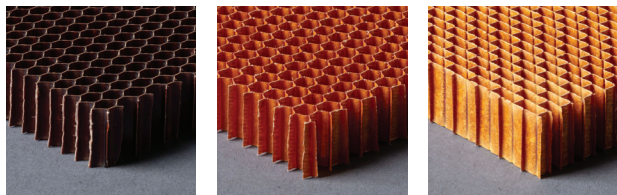
**SFPS 42003 & 42005** - BMS4-20 Type III & V



**PROFESSIONAL PLASTICS**

Your Global Leader for Innovative Material Solutions

# Why CHOOSE Professional Plastics?



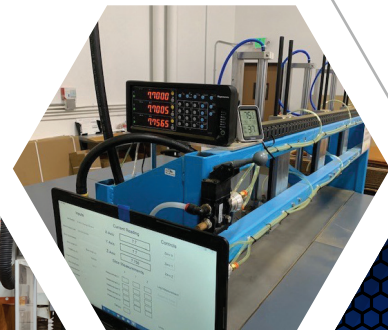
## In STOCK. Ready to SLICE.

Professional Plastics provides precision honeycomb fabrication. We stock a variety of honeycomb blocks in many sizes, and have the equipment and expertise to custom fabricate slices for honeycomb core.

We stock AeroRigid™ grades 2223, 2623, 291A, 291B and SFPS 42002/42003/42005 and carry most thicknesses from .125" to 1" onsite.

With our Showa-approved horizontal saw, we can slice to your specifications in a matter of days!

We also have a fully integrated clean room for processing the fabrication – including a mic table for core thickness measuring and a weight scale, both calibrated and approved to meet leading aerospace manufacturing specifications.



## Experience OUTSTANDING.

While most companies are either distributors, manufacturers or fabricators—we do it all. We are committed to providing the best selection, service and pricing to make every customer experience outstanding.

Professional Plastics has your honeycomb needs covered:

- Inventory stocked in the U.S.
- Broad range of materials (aluminum, aramid, core & panels)
- In-house precision cutting & trimming
- Efficient distribution network
- Dedicated customer support
- Quick RFQ turnaround
- ISO 9001 & AS9100 quality assurance

## FAST Turnaround.

Don't wait weeks or months to get your orders filled. Send your RFQ to [honeycomb@proplas.com](mailto:honeycomb@proplas.com).

