Stratocell®

Laminated Polyethylene Foam Products

Make Customization Customary

The Laminated PE Foam Line with the Most Dimensional, Presentational and Structural Options

The Foam That Gets It Done

Stratocell® laminated polyethylene foam was developed by Sealed Air to meet the needs of customers who require a thick product that provides excellent protection. We continue to develop and improve the line of Stratocell® products in ways that enable our customers to specify exactly what they need, right down to the color of the foam.

Choose Your Dimensions

Stratocell® foam is typically supplied in 48" × 108" sheets, but can be customized to sizes more efficient for your application. Because of our patented layered construction, Stratocell® foam can be produced in thicknesses from 1" – 8".

Choose Your Composition

Stratocell® foam is available in three densities:

- **Low-density**
  Stratocell® E foam
- **Medium-density**
  Stratocell® S foam
- **High-density**
  Stratocell® H foam

Stratocell® Plus foams include a top layer of 3.5 mil. polyethylene film or 1/8" high-density Cellu-Cushion® foam, to provide additional strength and rigidity when needed.

In addition to a variety of densities, Stratocell® foams are available in an anti-static offering. It is also available in a recycled-grade offering, Stratocell® RC, that contains a minimum of 65% recycled resin content.

Easy Fabrication for Complex Packaging

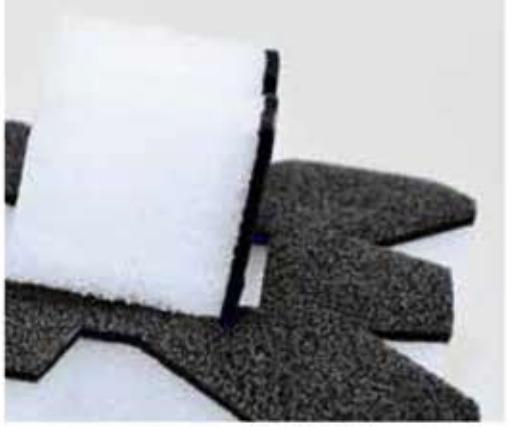
Stratocell® foams are easily converted using traditional fabrication techniques. The special properties of the foam can be used to create a wide range of innovative packaging designs.

Choose Your Appearance

Stratocell® foam comes in a variety of standard colors. When ordered in larger quantities, Stratocell® foam can be created to match almost any color request. With Stratocell® Plus foams, color combinations of the top layer and base foam can be created.

Choose Your Application

With all the different options available, Stratocell® foam is perfect for just about any application. Common uses include automotive parts, electronics requiring hardware and sporting equipment that requires lightweight, buoyant material.



Accordion Designs
The flexibility of Stratocell® material allows for cushion designs with joints that expand to accommodate multiple sizes.

Anti-Static Designs
Stratocell® foams with anti-static properties can be used to create trays, cushions and other packaging designs for sensitive electronic equipment.

Hinged Designs
Using precision "kiss cutting" techniques, fabricators can create hinged cushions that ship flat and "pop up" to fit snugly around a product corner.

Stratocell® E, S, H
Laminated Polyethylene Foam

Physical Properties*	Test Method	E	S	H
Compression Strength (*psi*) *Vertical direction @ 25% / 50%*	ASTM D3575-00 *Suffix D*	5 13	6 14.5	7 16
Compression Set (%)	ASTM D3575-00 *Suffix B*	23	21	19
Compression Creep	ASTM D3575-00 *Suffix BB 168 hr*	< 10 @ 1.0 psi	< 10 @ 1.25 psi	< 10 @ 2.0 psi
Tensile Strength (*psi*) (*@ ½ inch thickness*)	ASTM D3575-00 *Suffix T (md/cmd)*	32 20	35 24	40 30
Tear Resistance (*lb/in*) (*@ ½ inch thickness*)	ASTM D3575-00 *Suffix G (md/cmd)*	10 6	11 8	13 11
Density Range (*lb/ft³*)	ASTM D3575-00	1.1 – 1.4	1.4 – 1.8	1.9 – 2.3
Cell Size (*mm*)	ASTM D3576 *Modified*	1.4	1.2	1.0
Water Absorption (*lb/ft²*)	ASTM D3575-00 *Suffix L*	< 0.1	< 0.1	< 0.1
Thermal Stability	ASTM D3575-00 *Suffix S*	< 5%	< 5%	< 5%
Contact Corrosivity (*Alum. Plate*)	Method 3005 *FED. STD. 101*	None	None	None
Thermal Conductivity (*k-value*) (*BTU-IN/HR-FT² – °F*)	ASTM C518-91	0.34 – 0.43	0.34 – 0.43	0.34 – 0.43
Thermal Resistance (*R-value*) (*HR-FT² – °F/BTU*)	ASTM C518-91	2.38 – 2.94	2.38 – 2.94	2.38 – 2.94
Static Decay (*Anti-static grade*)	EIA STD 541 *Appendix F*	< 2 sec.	< 2 sec.	< 2 sec.
Surface Resistivity (*Anti-static grade*)	EIA STD 541 *Section 4.3*	$1.0 \times 10^9 – 1.0 \times 10^{12}$	$1.0 \times 10^9 – 1.0 \times 10^{12}$	$1.0 \times 10^9 – 1.0 \times 10^{12}$

**The data presented for this product is for unfabricated Sealed Air Corporation brand polyethylene foam products. While values shown are typical of this product, they should not be construed as specification limits.*

Partners in a Better Tomorrow

Reduce, Reuse, Recycle

Sealed Air makes every effort to ensure that waste packaging does not end up in a landfill. Stratocell® products are non-crosslinked, meaning they can be recycled in our closed loop system. Our packaging design and development centers will work with you to make sure you get a package that has maximum protection with minimum material. All Stratocell® products can be reused multiple times before experiencing any degradation in their protective qualities.

We Have Designs on Serious Source Reduction

With over 30 Packaging Design and Development Centers worldwide, Sealed Air is committed to being your partner in packaging by designing cost-efficient packaging.

Our services include design, prototyping and testing, as well as a network of trusted fabricator partners that can deliver what you need, time and time again.

Opening Doors with Closed Loop Recycling

In order to verify our recycled resin is of the highest quality, Sealed Air has implemented a Closed Loop Recycling system. We have invested in collection systems that reclaim scrap material from our network of World-Class fabricators.

This allows us to reduce the amount of our material that ends up in a landfill, while giving us greater control of the sourcing and quality of our materials.

To learn more visit www.recyclepefoam.com

Package Design and Development Centers Capabilities

Solution-Based Design and Development

Sealed Air's Package Design and Development Centers exist to achieve one purpose: to help our customers find a high-performance, cost-effective packaging solution. With dedicated packaging engineers on staff in our over 30 ISTA-certified labs worldwide, we are ready to listen and deliver.

Our goal is to help you find a cost-effective solution to your packaging needs, and provide you with the most efficient package possible.

Five Step Design Process

Outstanding design is a direct result of outstanding preparation. Our Five Step Design Process ensures that we are prepared to provide the best solution that includes:

- Understand the shipping environment
- Define product fragility
- Select the proper cushioning material
- Design the prototype package
- Verify the package through testing