

Stratocell®

Laminated Polyethylene
Foam Products

Make
Customisation
Customary



The Foam That Gets It Done

Stratocell® laminated polyethylene foam was developed by Sealed Air to meet the needs of customers who require a 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 colour of the foam.

CHOOSE YOUR DIMENSIONS

Stratocell® foam is typically supplied in 2000mm x 1200mm sheets, but can be customised to suit your application. Due to our patented layered construction, Stratocell® foam can be produced in thicknesses from 20mm - 100mm.

CHOOSE YOUR COMPOSITION

Stratocell® foam is available in three densities:

- Low-density Stratocell® L & E foam
- Medium-density Stratocell® S & H
- High-density 65

Stratocell® Plus foams include a top layer in 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® R, that contains a minimum of 50% 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 can come in a variety of colours, made to order. When ordered in larger quantities, Stratocell® foam can be created to match colour requests. With Stratocell® Plus foams, colour combinations of the top layer and base foam can be created upon request.



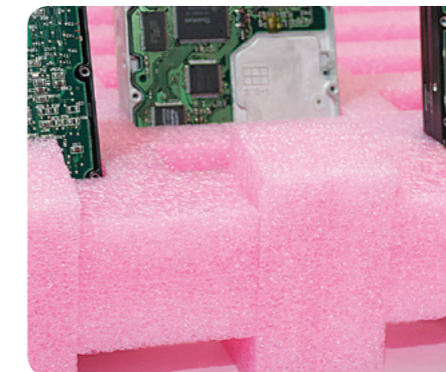
CHOOSE YOUR APPLICATION

With all the different options available, Stratocell® foam is perfect for just about any packaging application, including automotive parts, electronics, industrial equipment and in non-packaging applications, including sports equipment, construction and cold chain.



EXPANDABLE 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 cutting techniques, fabricators can create hinged cushions that ship flat and “pop up” to fit snugly around a product.

STRATOCELL® L, E, S, H LAMINATED POLYETHYLENE FOAM

Physical Properties	Test Method	L	E	S	H
Compression Strength (psi)	ASTM D3575-00 Suffix D	28 75	40 90	45 95	36 100
Compression Set (%)	ASTM D3575-00 Suffix B	30	<10	<10	
Compression Creep (1,25 psi - 8,75 kg/dm ²)	ASTM D3575-08 Suffix BB 168 hr	14	10	10	10
Tensile Strength @ peak (MC/DC)	ASTM D3575-00 Suffix T (md/cmd)	250 150	180 150	250 500	
Tear Resistance (MC/DC)	ASTM D3575-08 Suffix G (md/cmd)	12 7	17 14	17 18	
Nominal Density Kg/m ³	ASTM D3575-08	16	24	30	35
Cell Size (25mm)	BS4443/1 Met.4 Modified	>20	≥21	≥26	≥31
Water Absorption (%)	ASTM D3575-08 Suffix ISO 2896: 1986		3	3	
Thermal Stability	ASTM D3575-08 Suffix ISO 2796	<3%	<2%	<2%	<2%
Thermal Conductivity (W/mK)	ASTM C-177 ISO 8301	0,055	0,055	0,05	

*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.

SOLUTION-BASED DESIGN AND DEVELOPMENT

Sealed Air's Packaging Application Centres exist to achieve one purpose: to help our customers find a high-performance, cost-effective packaging solution. With dedicated packaging engineers in 29 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:

1. Understanding the shipping environment
2. Defining product fragility
3. Selecting the correct cushioning material
4. Designing the prototype package
5. Verifying the solution through testing

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 Application Centres will work with you to make sure you get a solution 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 29 Packaging Application Centres worldwide, Sealed Air is committed to being your partner in packaging by designing cost-efficient solutions.

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.

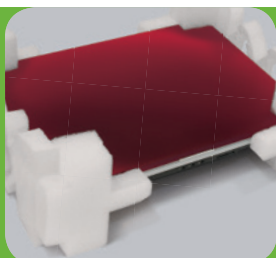
OPENING DOORS WITH CLOSED LOOP RECYCLING

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



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