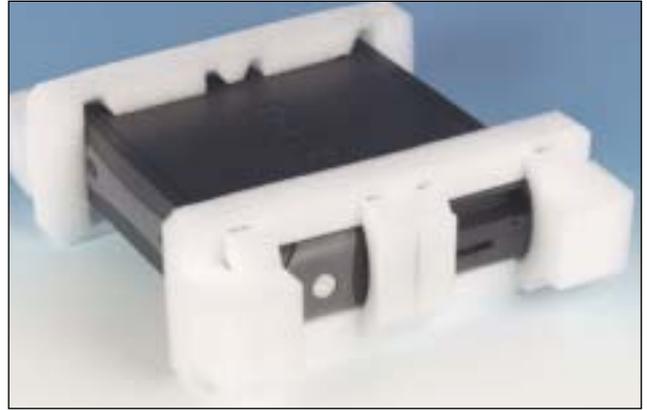


Specialty Foams

Stratocell®, Cushion-Ply®, Cellu-Plank® and Cellu-Cushion® Polyethylene Foam



High performance cushioning and specialty foams

Polyethylene Foams

Innovations in foam from the global leader



Sealed Air is a major international manufacturer of innovative protective packaging materials and systems including: Stratocell®, Cushion-Ply®, Cellu-Plank® and Cellu-Cushion®, high-performance, extruded, closed-cell polyethylene foam products. They are manufactured to meet the highest quality and environmental standards, and are ideal for a wide range of packaging and non-packaging applications.

- Resilient, lightweight and cost-efficient, with superior physical properties necessary for cushioning, insulating and barrier applications.
- Industry's largest selection of densities and designer colours.
- Available for quick, world-wide delivery, in a wide range of sheet and laminated plank configurations.
- Easily converted using traditional fabrication equipment.
- Special formulations are available that provide static and UV protection.
- CFC and HCFC-free.
- Recyclable and reuseable.

Environmental summary

Sealed Air polyethylene foams meet the environmental challenges:

Source reduction - owing to the high performance cushioning of the foam, only a minimal amount of material is required per package.

Re-use - Sealed Air Polyethylene foam are designed to withstand multiple drops resulting in a pack that can be used many times.

Recycle - Sealed Air polyethylene foams are non-crosslinked produced from a low density polyethylene (LDPE).

A material that can easily be recycled.

CFC and HCFC-free - Sealed Air polyethylene foams are manufactured by a totally CFC and HCFC-free process.

Quality assurance

Sealed Air products are manufactured under conditions governed by ISO 9002, your guarantee of high standards of production and quality control.



Selecting the right Sealed Air foam product for your application

Sealed Air maintains an extensive network of authorised fabricators worldwide, to design and fabricate Sealed Air polyethylene foam into a wide range of shapes, forms and die-cuts. Their experience and comprehensive knowledge of product and product application ensures the most cost-effective packaging and non-packaging design solutions are achieved.



Stratocell®

Stratocell® High-performance cushion packaging

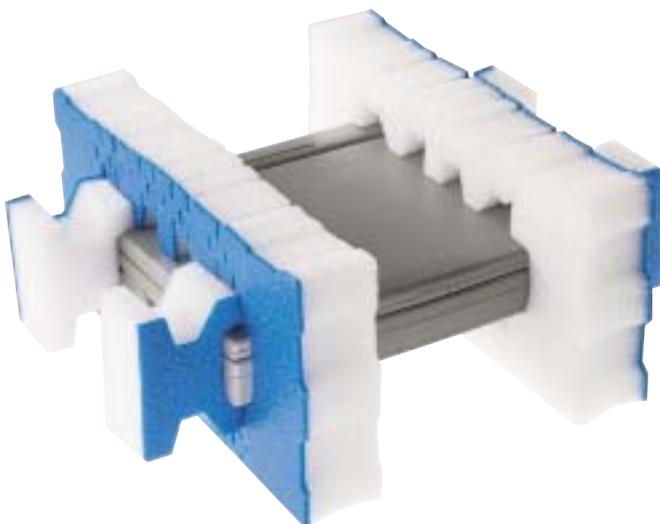
Stratocell® is a closed cell, non-crosslinked polyethylene foam, ideal for packaging applications requiring interior cushioning protection. We can work with you to decide on the best Stratocell® solution for your particular packaging requirements.

Specifications and benefits

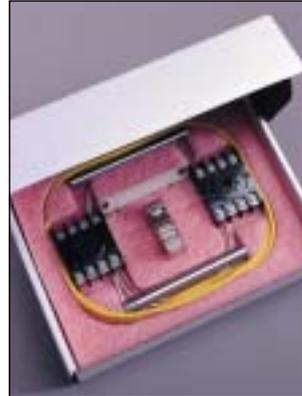
- Sheet size: 1200mm x 2000mm. The extra wide material maximises yields during fabrication.
- Available in a range of thicknesses from 25mm to 100mm.
- Various grades available to suit all high performance applications.
- Standard colour white, also available in black and anti-static grades.
- Excellent versatility: can be fabricated using conventional methods and equipment. Laminates easily with adhesives to corrugated board, wood, metals or bonds to itself by heat welding.
- Clean, lightweight, non-abrasive, water resistant excellent insulation.
- Other applications: sport and leisure, building and engineering plus many others.



The laminated construction of Stratocell® adds to the protective properties of the foam.



Stratocell Plus foam for folding packaging solutions



Anti-Static Stratocell®



Black Stratocell®



Innovative foam packaging solutions through creative design and fabrication

Sealed Air polyethylene foams are designed to meet a broad range of protective packaging requirements from economical, lightweight protection, to heavy-duty industrial cushioning. They are clean, non-abrasive and provide package designers and fabricators with a variety of creative opportunities.

- High-performance cushioning - provides the same or better protection using less foam than many alternative packaging materials.
- Reduced packaging costs - less foam results in smaller packs, reducing material and shipping costs, as well as handling and storage expenses.
- Excellent material yield - wide widths minimise waste generated during fabrication, further reducing material costs and less waste for disposal.
- Very resilient - quick recovery from multiple compressions and impacts make it ideal for use in returnable material handling systems.
- Enhanced package aesthetics - clean, attractive appearance enhances product and package image.

Cushion-Ply®

Cost effective lightweight high performance packaging foam

Cushion-Ply® is a closed cell, non cross linked, polyethylene foam ideal for lightweight packing applications.

The high performance qualities of Cushion-Ply® foam make it a perfect cost effective alternative to many conventional materials like polyurethane foams, expanded polystyrene and corrugated fitments. Its resilient properties enable it to perform multiple drop situations without losing performance.



Specifications

- Plank size - 1200mm x 2000mm
- Density - 16kg/m³
- Thickness - 40mm
- Colour - blue tint

Cellu-Plank®

Cellu-Plank® heavy density single layer foam plank

Cellu-Plank® is a non cross linked polyethylene foam ideal for heavy duty packaging applications, returnable automotive part racks and many applications outside the packaging market.

Benefits

- Heavy duty cushioning
- High compressive strength
- Reusable
- Easy to fabricate
- Recyclable



Cellu-Plank®	Density (kg/m ³)	Dimensions (mm)
CP400	65	50 x 610 x 2740
CP600	100	50 x 610 x 2740
CP900	150	50 x 610 x 2740

Packaging Solutions

Packaging solutions through evaluation, design and testing

Sealed Air has multiple packaging design laboratories around the world. We review and analyse proposed designs, develop new ones, test existing packs and recommend the best way for you to maximise the protective qualities of Sealed Air polyethylene foams.

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

Through our five step design process we will help you reduce product damage and thereby contribute to the efficiency, economy and competitiveness of your business.

The five step package design procedure

- Define the shipping environment.
- Define the product fragility.
- Select the appropriate cushioning material.
- Design and fabricate a prototype pack.
- Verify the pack by package testing.

Our package design capability

Our package design laboratory at Kettering has been awarded the International Safe Transit Association certification for package testing. The ISTA pre-shipment test procedure provides a means for manufacturers to significantly improve the assurance and safe arrival of their packaged products. We achieve this through the utilisation of tests simulating the shocks and stress normally encountered during handling and transportation.

Put us to the test – free of charge

All Sealed Air packaging offers excellent cushioning performance. This means that we can invariably reduce the size of your current packaging and of course the amount of material needed. This reduced volume and weight decreases your shipping, handling and storage costs while retaining maximum product protection.

Source reduction

Over packaging is often a contentious element in modern day packaging. Environmental groups worldwide, query, and rightly so, the need to use Earth's valuable resources unnecessarily. By using the services of a Sealed Air packaging laboratory, you will be certain that your package contains the minimum amount of material necessary to ensure its safe transit through the storage/transport process.



International Safe
Transit Association

Cellu-Cushion®

Speciality polyethylene foam

Cellu-Cushion® is an extremely versatile product with many different application possibilities. In addition to packaging, the foam is used in both the construction and leisure industries. Available in rolls of varying colours and thicknesses (2 to 15mm), Cellu-Cushion® can be custom-made for your individual requirements.



Unlimited product design and engineering possibilities

Sealed Air polyethylene foams, originally developed for protective packaging applications, also exhibit outstanding physical properties that make them ideal for a broad range of products in today's active, value-conscious marketplace.

- Strong – excellent tensile and tear properties.
- Flexible – bends without breaks or tears.
- Very resilient – recovers from compressions and impacts.
- Wide range of designer colours and densities.
- Non-dusting.
- Non-toxic and odourless.
- Moisture and chemical resistant.
- Maintains dimensional stability over a wide temperature range.
- Buoyant – excellent for recreational applications.
- Insulative – low thermal conductivity.
- Easily laminated – bonds to itself and a variety of substrates.



Sporting goods, athletic equipment and toys

Outstanding buoyancy, resiliency and durability make Cellu-Cushion® polyethylene foams a natural choice for water sports, protective athletic equipment, games and accessories.

- Personal flotation devices, i.e. life jackets.
- Surf and body board construction.
- Boat cushions and buoys.
- Floating pool toys and furniture.
- Spa and hot tubs.
- Athletic equipment and wall padding.
- Aerobic steps.
- Exercise and camping mats.
- Golf bag and backpack inserts.
- Archery and dart targets.
- Car-top boat carriers and racks.
- Toys of all kinds.



Construction engineering applications

Superior insulating and barrier characteristics, along with easy on-site fabrication, make Cellu-Cushion® polyethylene foam products ideal for a wide range of construction applications:

- Floor underlay.
- Concrete curing blankets.
- Pipe insulation.
- Sill plate gaskets.
- Separation and pressure relief joints in foundations, roofs, floors and concrete pavement.
- Closure strips and gaskets.
- Pool liners and covers.
- Buried cable protection.
- Underground oil and gas pipeline protection.
- Tunnel lining.
- Acoustical insulation.
- Vibration isolation for heavy equipment installations.



Use your imagination

The non-packaging applications illustrated here are only the beginning. By using your own creativity, in conjunction with Sealed Air's consultative sales representatives and authorised fabricators, you'll discover new and exciting ways to improve the quality and cost-efficiency of your products.



Creating World-Class Packaging Solutions

Sealed Air is a leading global manufacturer of a wide range of fresh food, protective and specialty packaging products. Reaching nearly 80 percent of the worlds population, many Sealed Air brands are among the most respected names in their markets.

Our products protect and preserve our customers' products from the plant and warehouse through the rigors of the distribution chain. Many Sealed Air products also provide an appealing merchandising presence for retail display.

Sealed Air's industry-leading investment in research and development and constant focus on World Class Manufacturing principles allow us to continue to deliver innovative packaging solutions that add measurable value to our customers' business around the world.



Mail Lite®
Protective postal bags



AirCap®
Barrier-sealed bubbles



Fill Air™
On-site air cushioning system



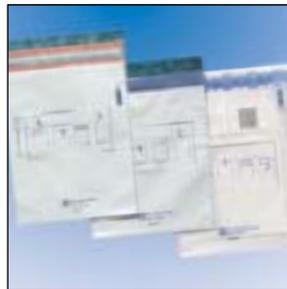
MailTuff™ Cushioned & MailTuff™ Durable Mailers



Cryovac®
Performance Shrink films



Korrvu®
Suspension packaging



KeepSafe®
Security bags



Instapak®
Foam-in-place packaging

Distributed By:



Polyolefin Foam Division
Telford Way, Kettering,
Northants NN16 8UN, England
Tel: +44 (0)1536 315700 Fax: +44 (0)1536 410576
Web: www.sealedair-emea.com

Our Products Protect Your Products®

Corporate Office: Sealed Air Corporation,
Park 80 East, Saddle Brook, NJ 07663-5291 www.sealedair.com

© Sealed Air Corporation 2004. All Rights Reserved.