

 **Sealed Air**

Ethafoam[®] MRC & HRC and Stratocell[®] RC

Recycled Polyethylene Foams

Infinite Usage, Infinite Uses

**A Family of Foams that Contains
a Minimum of 65%–100%
Recycled Resin Content**



Introducing the Ethafoam® HRC and MRC and Stratocell® RC Recycled Family of Polyethylene Foams

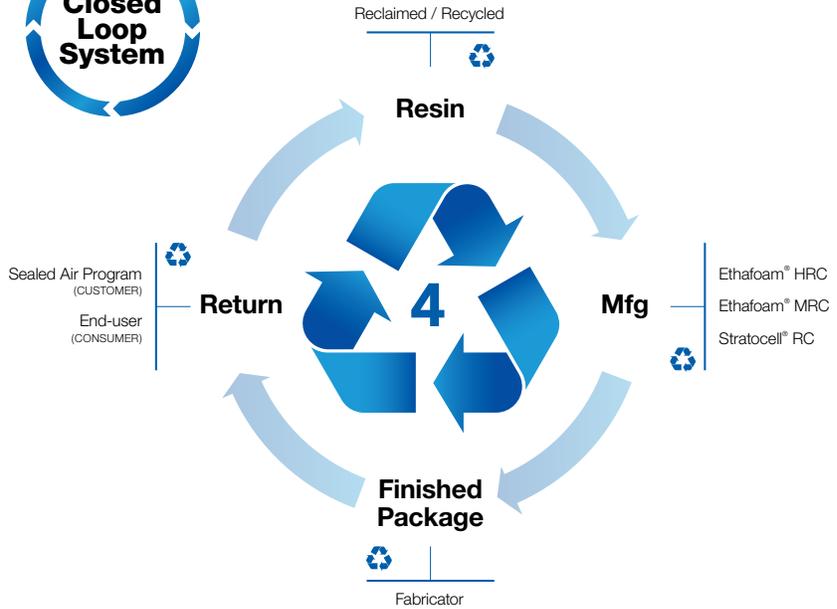
Sealed Air has a long history of taking the extra steps to provide packaging solutions that reach the pinnacle of performance and environmental responsibility. Our latest addition to this legacy is our line of Ethafoam® and Stratocell® recycled resin PE foams.

Material Strength

There is minimal difference in the protective qualities and strength of our recycled resin polyethylene foams versus their virgin-resin counterparts. Our recycled foams should be considered for applications where Ethafoam® and Stratocell® PE foams are commonly used.

Getting the Maximum from Our Minimums

When you choose Ethafoam® HRC, Ethafoam® MRC or Stratocell® RC polyethylene foam, the minimum recycled resin content is from 65%–100%, depending on the product.



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 polyethylene foam material from our network of World-Class fabricators.

The Closed Loop Recycling system allows us to reduce the amount of our material that ends up in a landfill, while giving us greater control over the sourcing and quality of our materials.

Ethafoam® HRC Polyethylene Foam

Ethafoam® HRC (High Recycled Content) PE foam guarantees a minimum 65% recycled resin content. It provides the usual benefits and qualities of standard Ethafoam® PE foam. This material received a third party certification from Scientific Certification Systems (SCS) verifying the recycled content when produced at the Sealed Air Grand Prairie, TX facility or the QingPu, China facility.



Ethafoam® HRC PE Foam

Physical Properties	Test Method	Typical Physical Properties
Compressive Strength (psi)	ASTM D3575-00 Suffix D @ 25% / 50%	5/11
Compression Set (%)	ASTM D3575-00 Suffix B	<25
Compression Creep (%)	ASTM D3575-00 Suffix BB 168 hr.	<10 @ 1.50 psi
Tensile Strength (psi)	ASTM D3575-00 Suffix T	22
Tear Resistance (lb/in)	ASTM D3575-00 Suffix G	7
Density Range (lb/ft³)	ASTM D3575-00	1.4 – 1.8
Cell Size (mm)	ASTM D3576 Modified	1.9
Water Absorption (lb/ft²)	ASTM D3575-00 Suffix L	0.2
Thermal Stability (%)	ASTM D3575-00 Suffix S	<5
Contact Corrosivity	Method 3005 FED STD. 101	None
Thermal Conductivity (k-value) (BTU-IN/HR-FT²-°F)	ASTM C518-10	0.49
Thermal Resistance (R-value) (HR-FT²-°F/BTU)	ASTM C518-10	2.0

Ethafoam® MRC Polyethylene Foam

Ethafoam® MRC (Maximum Recycled Content) PE foam contains 95% recycled content by total weight (100% of the resin is recycled content). It provides the usual benefits and qualities of standard Ethafoam® PE foam. This material received a third party certification from Scientific Certification Systems (SCS) verifying the recycled content when produced at the Sealed Air Grand Prairie, TX facility.



Ethafoam® MRC PE Foam



Physical Properties	Test Method	Typical Physical Properties
Compressive Strength (psi)	ASTM D3575-00 Suffix D @ 25% / 50%	5/11
Compression Set (%)	ASTM D3575-00 Suffix B	<25
Compression Creep (%)	ASTM D3575-00 Suffix BB 168 hr.	<10 @ 1.50 psi
Tensile Strength (psi)	ASTM D3575-00 Suffix T	22
Tear Resistance (lb/in)	ASTM D3575-00 Suffix G	7
Density Range (lb/ft³)	ASTM D3575-00	1.4 – 1.8
Cell Size (mm)	ASTM D3576 Modified	1.9
Water Absorption (lb/ft²)	ASTM D3575-00 Suffix L	0.2
Thermal Stability (%)	ASTM D3575-00 Suffix S	<5
Contact Corrosivity	Method 3005 FED STD. 101	None
Thermal Conductivity (k-value) (BTU-IN/HR-FT²-°F)	ASTM C518-10	0.49
Thermal Resistance (R-value) (HR-FT²-°F/BTU)	ASTM C518-10	2.0

Stratocell® RC Polyethylene Foam

Stratocell® RC (Recycled Content) PE foam guarantees a minimum 65% recycled resin content. It provides the usual benefits and qualities of standard Stratocell® PE foam, including softer feel and custom size options.



Stratocell® RC PE Foam

Physical Properties	Test Method	Typical Physical Properties
Compressive Strength (psi)	ASTM D3575-00 Suffix D @ 25% / 50%	5/11
Compression Set (%)	ASTM D3575-00 Suffix B	<25
Compression Creep	ASTM D3575-00 Suffix BB 168 hr.	<10 @ 1.0 psi
Tensile Strength (psi) ½" Thickness	ASTM D3575-00 Suffix T (md/cmd)	22
Tear Resistance (lb/in) ½" Thickness	ASTM D3575-00 Suffix G (md/cmd)	7
Density Range (lb/ft³)	ASTM D3575-00	1.4 – 1.9
Cell Size (mm)	ASTM D3576 Modified	1.9
Water Absorption (lb/ft²)	ASTM D3575-00 Suffix L	0.2
Thermal Stability (%)	ASTM D3575-00 Suffix S	<5
Contact Corrosivity	Method 3005 FED STD. 101	None
Thermal Conductivity (k-value) (BTU-IN/HR-FT²-°F)	ASTM C518-91	0.49
Thermal Resistance (R-value) (HR-FT²-°F/BTU)	ASTM C518-91	2.0

Partners in a Better Tomorrow



We Focus on the Entire Lifecycle of Our Products

Sealed Air has always recognized the importance of our relationship with the environment. Our history of product and process innovation reflects this long-term commitment. Our SmartLife™ approach helps our customers make smarter decisions by considering the entire lifecycle of their packaging materials. These include production and manufacturing, application performance and disposal and reclamation.

Production and Manufacturing

Sealed Air's world-class manufacturing practices include comprehensive environmental programs to reduce waste quantities, energy usage, water usage and emissions. We remain committed to reducing our environmental footprint by cutting greenhouse gas (GHG) emissions and increasing our yield.

Application and Performance

Our products are also renowned for their superior protective qualities, which means you will be able to package more with less material, and eliminate the associated carbon impact of damaged product returns.

Disposal and Reclamation

Sealed Air's Closed Loop Recycling system allows Sealed Air to take back large amounts of polyethylene foam to be reused to make our recycled PE foam products. We work with our fabricator network and customers to take back the PE foam material therefore diverting it from the landfill.

SmartLife™ Approach



Our SmartLife™ multifaceted approach is to raise awareness about sustainable packaging and to advance Sealed Air's sustainability mission within the Company's larger business strategy. Sealed Air is committed to helping its stakeholders understand the environmental benefits and impacts of packaging solutions.

Our SmartLife™ approach, in conjunction with Sealed Air's values — lead, trust, respect and integrity — provides the foundation upon which the company's business is conducted.



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Our Products Protect Your Products®

Sealed Air Polyethylene (PE) Foam Sustainability

We are committed to increase sustainability by enhancing the performance of our PE foam products with decreased use of natural resources in manufacturing by increasing recycled content. Our PE foams are classified as #4 low-density PE (LDPE) material and can be recycled in LDPE recycling systems, including our Closed Loop Recycling program. Learn more at recyclepefoam.com.

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