Sealed Air
Product Care

Ethafoam®

Polyethylene Foam Products

First in Foams, Leaders in Innovation

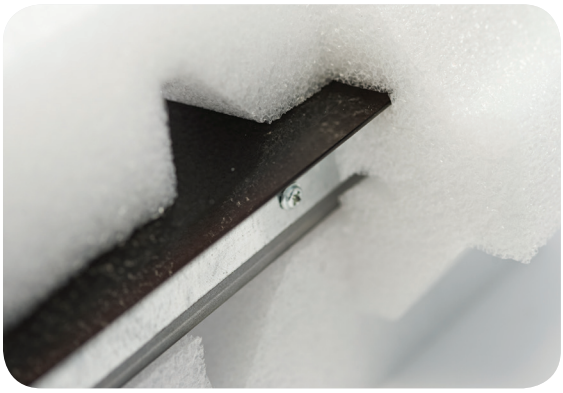
GO WITH THE PIONEER IN PE FOAMS

Ethafoam® foam products have been the leader in polyethylene foam packaging for nearly 60 years. We've come a long way from our humble beginnings and now offer our foams in a wide variety of densities, colors, thicknesses and properties.

LEGENDARY DEPENDABILITY

The Ethafoam® line is known for its outstanding dimensional stability and recovery characteristics, while providing unparalleled cushioning protection against repeated impacts. In addition to providing excellent protection, Ethafoam® products are chemical and water resistant*.

*LDPE foam manufacturers Chemical Resistance Guide.



OUR STANDARD OFFERINGS ARE A CUT ABOVE

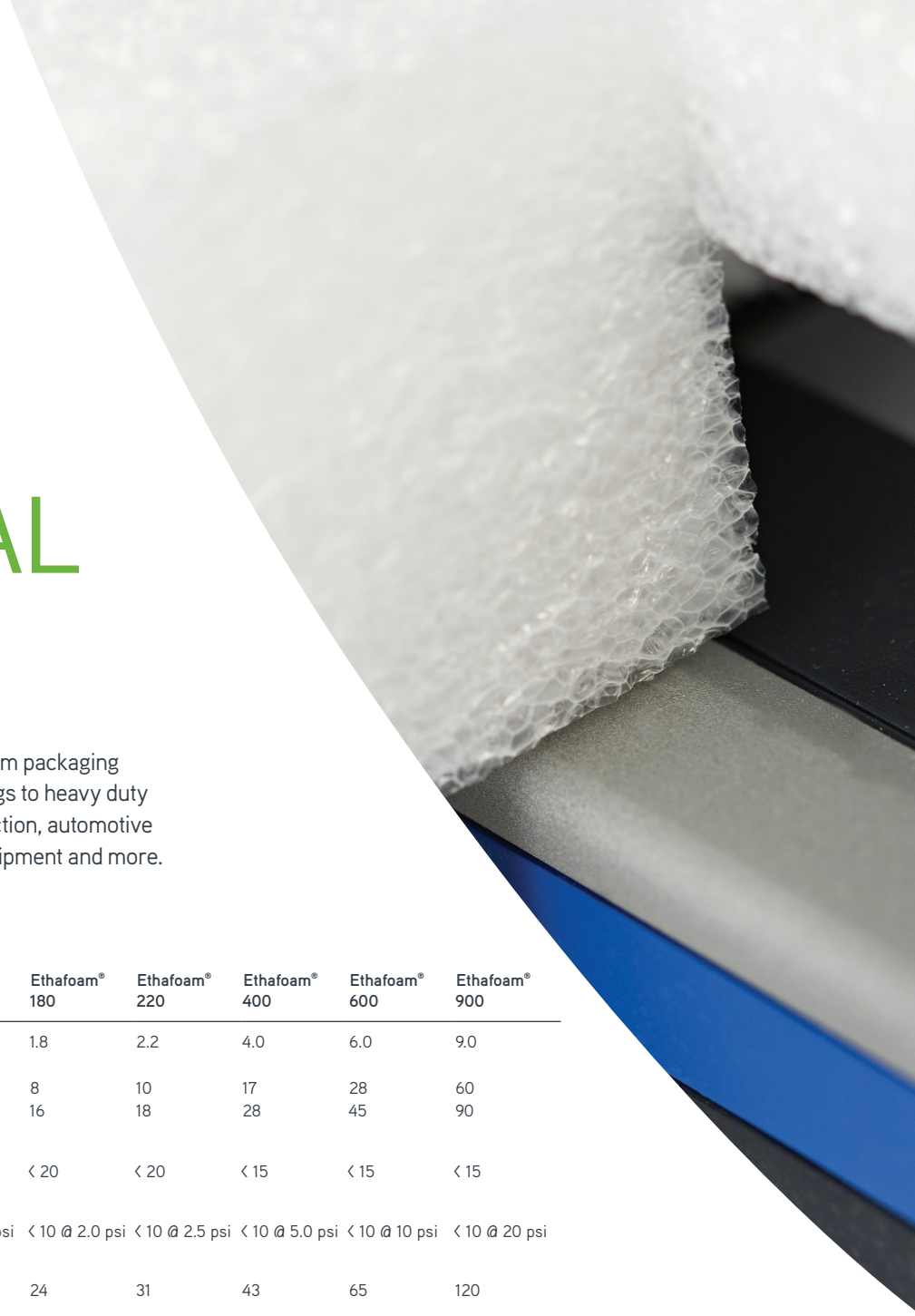
Our line of PE foam products offer more options:

- **Densities**
  We offer six distinct Ethafoam® product densities from 1.5 to 9.0 lb./cu.ft.
- **Thicknesses**
  Depending on the density, we offer our Ethafoam® planks in a variety of thicknesses, from 1.5" to 4".
- **Properties**
  Some Ethafoam® products are available with anti-static and/or flame-retardant properties.
- **Colors**
  We offer a variety of standard color options. Other colors are available upon request (minimums apply).

EXPANDED RESOURCEFULNESS

Using our Ethafoam® line as a foundation, we continue to innovate new foams for specific applications.

- **Ethafoam® Whisper™ sound absorbing foam**
  An exciting new hydrophobic material providing excellent acoustical properties.
- **Ethafoam® Synergy® fine cell polyethylene foam**
  A low-abrasion solution for applications where presentation matters.
- **Ethafoam® HRC recycled resin content polyethylene foam**
  Foams with a minimum of 50% recycled resin content.



UNIVERSAL APPEAL

The versatile nature of Ethafoam® polyethylene foam packaging enables its use in applications from fragile finishings to heavy duty dunnage. Common uses include electronics protection, automotive returnable dunnage, defense packaging, kitted equipment and more.

TYPICAL PHYSICAL PROPERTIES

Physical Properties	Test Method	Ethafoam® 150	Ethafoam® 180	Ethafoam® 220	Ethafoam® 400	Ethafoam® 600	Ethafoam® 900
Density (*lb/ft³*)	ASTM D3575-08	1.5	1.8	2.2	4.0	6.0	9.0
Compressive Strength (*psi*) *vertical @ 25%* *vertical @ 50%*	ASTM D3575-08 *Suffix D*	7 14	8 16	10 18	17 28	28 45	60 90
Compressive Set (%)	ASTM D3575-08 *Suffix B*	< 20	< 20	< 20	< 15	< 15	< 15
Compressive Creep (%) (*1000 hrs*)	ASTM D3575-08 *Suffix BB*	< 10 @ 1.3 psi	< 10 @ 2.0 psi	< 10 @ 2.5 psi	< 10 @ 5.0 psi	< 10 @ 10 psi	< 10 @ 20 psi
Tensile Strength (*@ ½" Thickness*)	ASTM D3575-08 *Suffix T*	23	24	31	43	65	120
Tear Resistance (*lb/in*) (*across grain @ ½" thickness*)	ASTM D3575-08 *Suffix G*	7	7.5	10	17	22	35
Cell Size (*mm*)	ASTM D3576-04 *Modified*	2.5	2.0	1.5	1.4	1.2	1.1
Water Absorption (*lb/ft²*)	ASTM D3575-08	< 0.3	< 0.3	< 0.3	< 0.2	< 0.2	< 0.2
Thermal Stability (%)	ASTM D3575-08 *Suffix S*	< 2	< 2	< 2	< 2	< 2	< 2
Static Decay* (*sec*) (*Anti-Static Grade*)	EIA Std. 541 *Append. F*	< 2	< 2	< 2	< 2	< 2	< 2
Surface Resistivity* (*ohms/sq*) (*Anti-Static Grade*)	EIA Std. 541 *Section 4.3*	1.0×10^9 – 1.0×10^{12}	1.0×10^9 – 1.0×10^{12}	1.0×10^9 – 1.0×10^{12}	1.0×10^9 – 1.0×10^{12}	1.0×10^9 – 1.0×10^{12}	1.0×10^9 – 1.0×10^{12}
Thermal Conductivity (*k value*) *BTU-IN/HR²-°F*	ASTM C518-91	.49	.49	.43	.43	.43	.43
Thermal Resistivity (*R value*) *HR-FT²-°F/BTU*	ASTM C518-91	2.0	2.0	2.3	2.3	2.3	2.3

The data presented for these products are for Ethafoam® polyethylene foam products. While values shown are typical of the products, they should not be construed as specification limits.
**Anti-Static*

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PACKAGING DESIGN CENTERS CAPABILITIES

Solution-Based Design and Development

Sealed Air's Packaging Design 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 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:

- Understanding the shipping environment
- Defining product fragility
- Selecting the proper cushioning material
- Designing the prototype package
- Verifying the package 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. Ethafoam® products are non-crosslinked, meaning they can be recycled in our closed loop system. Our Packaging Design Centers will work with you to make sure you get a package that has maximum protection with minimum material. All Ethafoam® products can be reused multiple times before experiencing any degradation in their protective qualities.

We Have Designs on Serious Source Reduction

With over 29 Packaging Design Centers worldwide, Sealed Air is committed to being your partner in packaging by designing cost-efficient packaging.

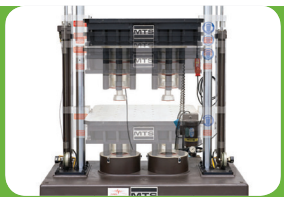
Our services include design, prototyping and testing, as well as a network of trusted fabricator partners that can deliver what you need, time and time again.

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



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