Sealed Air
Product Care

Ethafoam® Synergy® 2000

Polyethylene Foam Products

Next Generation Low Abrasion Fine Cell Polyethylene Foam

Ethafoam® Synergy®

Low abrasion fine cell polyethylene foam

Sealed Air Product Care

The next generation of Ethafoam® Synergy® has increased performance and dependability, while providing unparalleled cushioning protection against repeated impacts. These qualities are further enhanced with the excellent surface protection and high quality aesthetics.

SUPERIOR APPEARANCE

The enhanced cell count of Ethafoam® Synergy® results in a smooth, homogeneous plank with a soft feeling surface.

PERFORMANCE CUSHIONING

All the industry leading cushioning properties of Ethafoam®, engineered to perfection.

SOFT TOUCH FOR LOW ABRASION

When performance meets perfection, the result is a soft touch with superior scratch protection.

EASE OF FABRICATION

Whether it's routing, water jet cutting or die cutting, the choice is easy.

RESISTANT

When harsh chemicals, extreme variable temperatures or dampness are part of your environment, Ethafoam® Synergy® is up to the challenge.

ETHAFOAM® SYNERGY® IS 100% RECYCLABLE

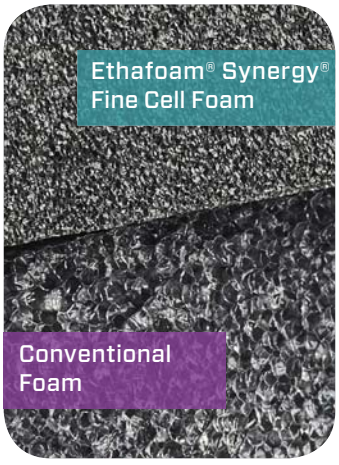
Ethafoam® Synergy® is an odorless non-crosslinked foam manufactured from a polyethylene resin that is readily available and easily recyclable.

FINE CELL LOW ABRASION

Using continuous extrusion benefits the manufacturing process to achieve a more consistent product quality.

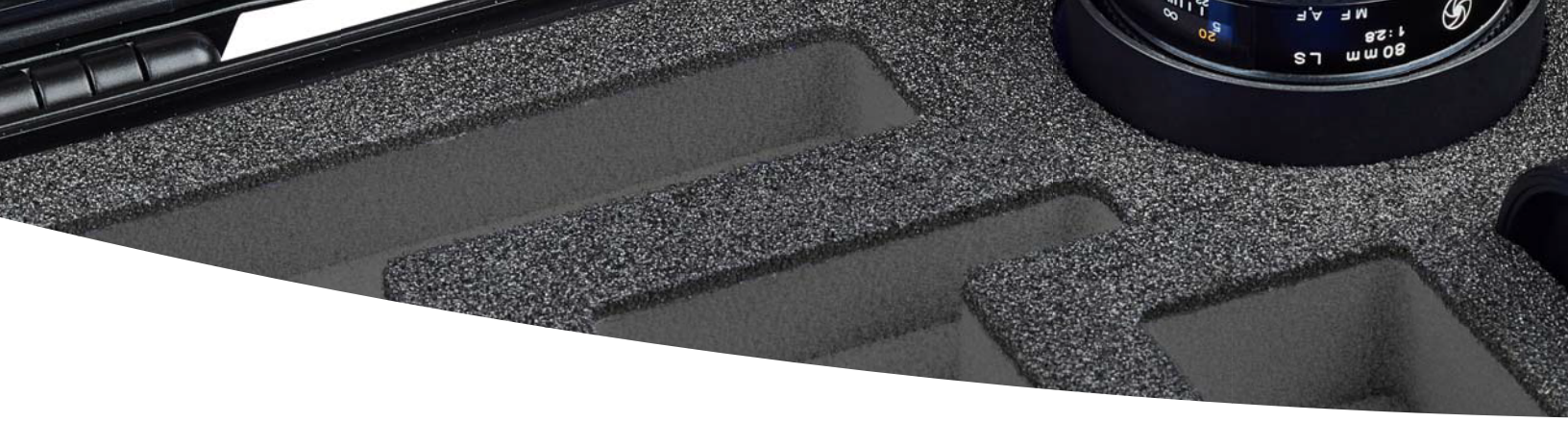
Ethafoam® Synergy® foam provides a uniform cell structure, resulting in a fine cell foam with a flat profile which is dimensionally stable.

The fine cell structure gives a soft feel characteristic that provides low abrasion performance. This provides excellent abrasion resistance on highly polished or painted surfaces.



Ethafoam® Synergy® foam can be used in a wide range of applications:

- Specialty packaging
- Case inserts
- Presentation packs
- Sport mats
- Buoyancy
- Cushioned packaging



TYPICAL PHYSICAL PROPERTIES

Physical Properties	Test Method	Unit	Ethafoam® Synergy® 2000*
Nominal Density	ASTM D3575-14 Suffix-W	Lb./ft.^{3}	2.0
Compressive Strength vertical @ 25% vertical @ 50%	ASTM D3575-14 Suffix D	psi	 7.0 13.0
Compression Set	ASTM D3575-14 Suffix B (50% compression) (25% compression)	%	 < 25 < 20
Compressive Creep	ASTM D3575-14 Suffix BB 168 hrs	%	<10 (2.0 psi)
Compressive Creep	ASTM D3575-14 Suffix BB 1000 hrs	%	<10 (1.25 psi)
Cell Count	BS 4443/1 Met.4	Cells/in.	≥ 45
Thermal Stability	ASTM D3575-14 Suffix T	%	< 2
Tensile Strength (psi) @ 1/2" thickness (MD/CD)	ASTM D3575-14 Suffix T	psi	31.0
Tear Strength (MD/CD)	ASTM D3575-14 Suffix G	Lb./in.	9.0
Water Absorption	ASTM D3575-14 Suffix L	Lb./ft.^{2}	< 0.3

* Physical properties are based on a 24" wide extruded product.

Typical Applications

Ethafoam® Synergy® is designed to meet a broad range of protective packaging and material handling requirements, offering package designers and fabricators a variety of creative opportunities in a wide range of markets.

AUTOMOTIVE

Polished parts, components, body panels, grilles

AEROSPACE

Components, dials, polished parts

ELECTRONICS

Diagnostic equipment, sound and lighting equipment

HEALTHCARE

Medical test equipment

MARINE

GPS, polished parts, dials, decorative items

LEISURE

Archery equipment, musical instruments

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