
**SEALED AIR[®] Brand
Ethafoam[®] Synergy[®]**

Polyethylene Foam Products

Low Abrasion Fine Cell
Polyethylene Foam



ETHAFOAM® SYNERGY®

LOW ABRASION FINE CELL POLYETHYLENE FOAM

Ethafoam® Synergy® is known for its outstanding 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 fine cell structure 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 odourless non-crosslinked foam manufactured from a polyethylene resin that is readily available and easily recyclable.

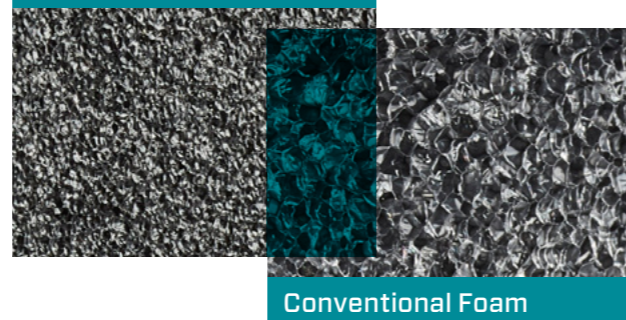
FINE CELL LOW ABRASION

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® Fine Cell Foam



Conventional Foam

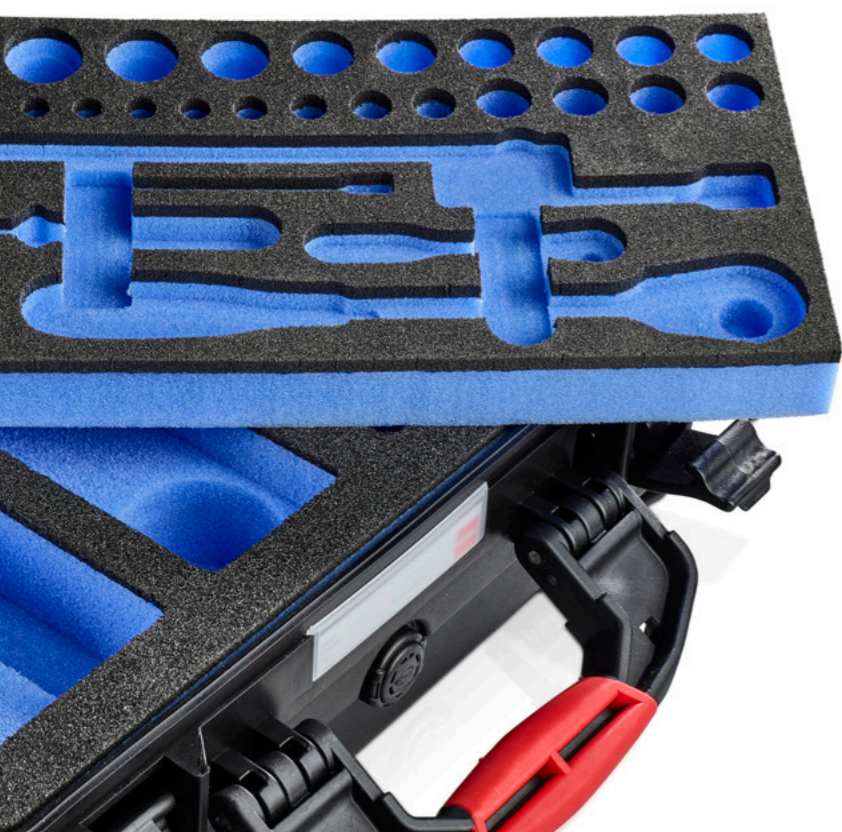
Ethafoam® Synergy® foam can be used in a wide range of applications:

- Specialty packaging
- Sport mats
- Transit case inserts
- Buoyancy
- Presentation packs
- Cushioned packaging

Ethafoam® Synergy® is available in three different densities to suit most applications.

TYPICAL PHYSICAL PROPERTIES

Physical Properties	Test Method	Unit	Ethafoam® Synergy® P2	Ethafoam® Synergy® P3	Ethafoam® Synergy® P4
Nominal Density	ASTM D3575-08 Suffix-W ISO 845: 2006	Kg/m³	33	45	64
Compressive Strength vertical @ 10%	ASTM D3575-08 Suffix D ISO 7214:2007	KPa	35	45	110
vertical @ 25%			60	75	140
vertical @ 50%			115	130	210
Compressive Strength vertical @ 25% 4th comp.	ISO 3386: 1986 part 1 DIN 53577	KPa	27	30	35
vertical @ 50% 4th comp.			90	100	120
vertical @ 70% 4th comp.			220	250	360
Compression Set	ASTM D3575-08 Suffix B (50% compression) ISO 1856: 2000 (25% compression)	%	< 25 < 20	< 25 < 20	< 20 < 10
Compressive Creep	ASTM D3575-08 Suffix BB 168 hrs	%	<5 (1,5 psi)	<5 (2,5 psi)	<5 (3 psi)
Compressive Creep	ASTM D3575-08 Suffix BB 1000 hrs	%	<10 (1,5 psi)	<10 (2,5 psi)	<10 (5 psi)
Cell Count	BS 4443/1 Met.4	Cells/25mm	≥ 45	≥ 55	≥ 55
Thermal Stability	ASTM D3575-08 Suffix T ISO 1798:2008	%	<2	<2	<2
Tensile Strength @ Peak (MD/CD)	ASTM D3575-08 Suffix T ISO 1798:2008	KPa	215 250	225 265	310 199
Tensile Elongation (MD/CD)	ASTM D3575-08 Suffix S ISO 1798:2008	%	50 60	35 50	28 17
Tear Strength (MD/CD)	ASTM D3575-08 Suffix G ISO 8067:2009	N/cm	17 17	17 18	26 21
Water Absorption	ASTM D3575-08 Suffix L ISO 2896:1986	kg/m²	<0.2	<0.2	<0.2
Fire-test response characteristics(1) Transportation Automotive	FMVSS 302	-	Pass	Pass	Pass



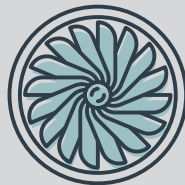
Typical Applications

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.



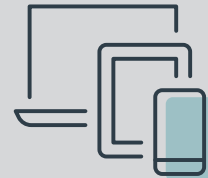
AUTOMOTIVE

Polished parts, components, body panels, grilles



AEROSPACE

Components, dials, polished parts



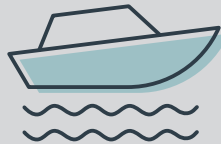
ELECTRONICS

Diagnostic equipment, sound and lighting equipment



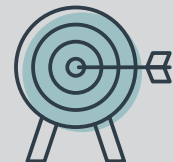
HEALTHCARE

Medical test equipment



MARINE

GPS, polished parts, dials, decorative items



LEISURE

Firearms, archery equipment, musical instruments

Sealed Air®

BRAND PROTECTIVE PACKAGING

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