

Ethafoam® 180 medium density polyethylene foam is a durable, lightweight, flexible, solid extruded product.

Ethafoam® 180 foam has outstanding dimensional stability and recovery characteristics that provide optimal cushioning protection against repeated impacts. It is ideal for cushion packaging and is used in many applications, including computer, automotive, construction and recreation.



Ethafoam® 180 foam is also ideally suited as a component material in products requiring a shock absorbing, vibration dampening, insulation, barrier and/or buoyancy component.

As the properties listed on the reverse suggest, the key features of Ethafoam® 180 foam include:



- Excellent Strength
- Resistance to Creep Under Load
- Vibration and Shock Absorbency
- Water Resistance Characteristics

Ethafoam® 180 foam is also available with anti-static properties to safely protect sensitive electronic equipment during shipment and storage.

Sizes Available in Natural (Planks)	Sizes Available in Dark Blue (Planks)	Sizes Available in Light Blue (Planks)
1.5" x 48" x 108"	1.5" x 48" x 108"	1.5" x 48" x 108"
2" x 24" x 108"	2" x 24" x 108"	2" x 48" x 108"
2" x 48" x 108"	2" x 48" x 108"	3" x 48" x 108"
3" x 48" x 108"	3" x 48" x 108"	

Sizes Available in Anti-Static Pink (Planks)	Sizes Available in Black (Planks)
1.5" x 48" x 108"	1.5" x 48" x 108"
	2" x 24" x 108"
	2" x 48" x 108"

Environmental Summary

Source Reduction	Re-Use	Recycle
Owing to the high performance cushioning of Ethafoam® plank, less material is required per package.	Sealed Air polyethylene foams are designed to withstand multiple drops resulting in a pack that can be used many times.	Sealed Air polyethylene foams are non-crosslinked produced from a low density polyethylene (LDPE). A material that can easily be recycled.

To achieve optimum performance Sealed Air recommends a total packaging solution.

Sealed Air has multiple packaging design and development centers around the globe. We review and analyze designs, develop new ones, test existing packs and recommend the best way to maximize the protective qualities of Ethafoam® products.

Sealed Air provides package and material testing in accordance with ISTA, ASTM, government or corporate standards.



5 Step Packaging Design:

1. Define Shipping Environment
2. Define Product Fragility
3. Select Appropriate Cushioning Material
4. Design and Fabricate Prototype Pack
5. Verify Pack with Packaging Testing

TYPICAL PHYSICAL PROPERTIES CHART OF ETHAFOAM® 180 POLYETHYLENE FOAM

TYPICAL MEASUREMENTS (Not Product Specification Limits)			
TYPICAL PROPERTIES (Not Product Specification Limits)	Compressive Strength (psi) vertical @ 25% vertical @ 50%	ASTM D3575-08 Suffix D	7 15
	Compressive Set (%)	ASTM D3575-08 Suffix B	< 20
	Compressive Creep (%) (@ 2.0 psi / 1000 hours)	ASTM D3575-08 Suffix BB	< 10
	Tensile Strength @ ½" Thickness	ASTM D3575-08 Suffix T	31
	Tear Resistance (lb/in) across grain @ ½" thickness	ASTM D3575-08 Suffix G	10
	Density (lb/ft³)	ASTM D3575-08	1.8
	Cell Size (mm)	ASTM D3576-04 Modified	2.0
	Water Absorption (lb/ft²)	ASTM D3575-08 Suffix L	< 0.3
	Thermal Stability (%)	ASTM D3575-08 Suffix S	< 2
	Static Decay (sec) (Anti-Static Grade)	EIA Std. 541 Append. F	< 2
	Surface Resistivity (ohms/sq) (Anti-Static Grade)	EIA Std. 541 Sect. 4.3	1.0 x 10 ⁹ - 1.0 x 10 ¹³
	Thermal Conductivity (k value) BTU-IN/HR-FT ² -°F	ASTM C518-91	.49
	Thermal Resistivity (R value) HR-FT ² -°F/BTU	ASTM C518-91	2.0

The data presented for this product is for unfabricated Ethafoam® polyethylene foam products. While values shown are typical of the product, they should not be construed as specification limits.

Distributed By:



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Our Products Protect Your Products®

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