BOB'S FOAM FACTORY, INC.
4055 PESTANA PLACE
FREMONT, CA 94538
(510) 657-2420

FOAM GRADE : ETHAFOAM

MANUFACTURER SEALED AIR CORP.

POLYETHYLENE FOAMS TYPICAL PHYSICAL PROPERTIED

Physical Properties	Test Method	1.2 pcf			1.7 pcf		2.2 pcf
Nominal Thickness		½"	1/8"	¼"	3/8"	½"	½"
Compressions strength Vertical Diraction (psi)	ASTM D3575-93 Suffix D @35%/50%	4.8 12.8	3.1 10.9	3.8 11.8	4.3 12.2	5.2 13.4	6.5 15.0
Compression Set (%)	ASTM D3575-93 Suffix B	18	32	29	26	16	13
Tensile Strength (psi)	ASTM D3575-93 Suffix T MD/CMD	39 23	85 33	58 30	50 27	44 28	48 32
Elongation (%)	ASTM D3575-93 Suffix T MD?CMD	74 62	70 47	86 60	70 68	79 65	80 74
Tear Resistance (lb/in)	ASTM D35750-93 Suffix G MD/CMD	7 13	12 19	11 17	11 16	10 15	14 19
Density Range (lb/ft)	ASTM D3575-93	1.2-1.5	1.6-19	1.6-1.9	1.6-1.9	1.6-1.9	2.0-2.4
Water Absorption (lb/ft)	ASTM D3575-93	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Thermal Stability	ASTM D3575-93	<5%	<5%	<5%	<5%	<5%	<5%
Contact Corrosivity (Alum. Plate)	Method 3005 FED STD 101	None	None	None	None	None	None
Static Decay (anti Static Grade	EIA STD. 541 Appendix F	<2 sec	<2 sec	<2 sec	<2 sec	<2 sec	<2 sec
Surface Resistibility Anti Static Grade	EIA STD 541 Section 4.3	1.0 x 10 1.0 x 10	1.0 x 10 1.0 x 10	1.0 x 10 1.0 x 10	1.0 x 10 1.0 x 10	1.0 x 10 1.0 x 10	1.0 x 10 1.0 x 10
Therman Conductivity K_Value (BTU-IN/HR-FT)	ASTM CS18-19	0.35-0.42	0.35-0.42	0.35-042	0.35-0.42	0.35-0.42	0.35-0.42
Thermal ResistanceR Value	ASTM CS18-91	1.30-1.60	1.30-1.60	1.30-1.60	1.30-1.06	1.30-1.60	1.30-1.60

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510-657-2420
510-657-2423 FAX

SEALES AIR CORPORATION

BLUE POLYLAM & BLACK RECYCLED

Physical Properties	Testing Method	Stratocell 170
Compressive Strength Vertical Direction (psi)	ASTM D3575-93 Suffix D @25% / 50%	7.5 16.5
Compression Set (%)	ASTM S3575-93 Suffix B	16.5
Compression Creep	ASTM D3575-93 Suffix BB 1000 Hr.	<10% @1.25 psi
Tensile Strength (psi) (1/2" Thickness)	ASTM D3575-93 Suffix T MD / CMD	35 24
Tear Resistance (lb/in) (@ ½" Thickness)	ASTM D3575-93 Suffix G MD / CMD	11 8
Density Range (lb/tt^3)	ASTM D3575-93	1.5 – 1.9
Cell Size (mm)	ASTM D3575 Modified	1.5
Water Absorption (lb/ft^2)	ASTM D3575-93	<0.1
Thermal Stability	ASTM D3575-93 Suffix S	<5%
Contact Corrosivity (alum. Plate)	Method 3305 FED STD. 101	None
Static Decay (anti-static grade)	EIA STD. 541	<2 sec
Surface Resistively	EIA STD, 541	$1.0 \times 10^{10} - 1.0 \times 10^{12}$
Thermal Conductivity K-Value (ETU-IN/HR FT^2- °F	ASTN C518-91	0.34 – 0.43
Thermal Resistance R-Value ($HR-FT^2-°F/BTU$)	ASTM C518-92	2.38 – 2.94

Sealed Air

Ethafoam®

Polyethylene Foam Products

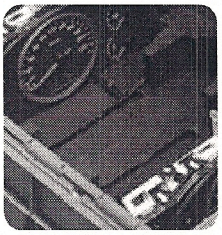
Ethafoam® 220 medium density polyethylene foam is a durable, lightweight, flexible, solid extruded product.

Ethafoam® 220 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® 220 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® 220 foam include:

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



Ethafoam® 220 foam is also available with fire-retardant and anti-static properties to safely protect sensitive electronic equipment during shipment and storage.

Sizes Available in Natural (Planks)
1.5" x 48" x 108"
2" x 24" x 108"
2" x 48" x 108"
2.5" x 48" x 108"
3" x 24" x 108"
3" x 48" x 108"
4" x 24" x 108"
4" x 48" x 108"

Sizes Available in Black (Planks)
2" x 24" x 108"
2" x 48" x 108"
3" x 48" x 108"
4" x 24" x 108"
4" x 48" x 108"

Sizes Available in Anit-Static Pink (Planks)
2" x 24" x 108"
2" x 48" x 108"

Sizes Available in Fire Retardant Blue/Grey (Planks)
2" x 24" x 108"

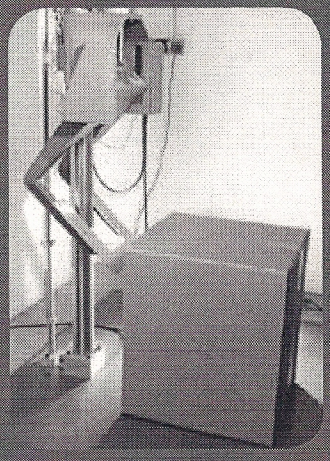
Environmental Summary

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® 220 POLYETHYLENE FOAM

TYPICAL PROPERTIES (Not Product Specification Limits)	TYPICAL MEASUREMENTS (Not Product Specification Limits)	
Compressive Strength (psi) vertical @ 25% vertical @ 50%	ASTM D3575-08 Suffix D	9 18
Compressive Set (%)	ASTM D3575-08 Sufix B	< 20
Compressive Creep (%) (@ 2.5 psi /1000 hours)	ASTM D3575-08 Suffix BB	<10
Tensile Strength @ ½" Thickness	ASTM D3575-08 Suffix T	32
Tear Resistance (lb/in) across grain @ ½" thickness	ASTM D3575-08 Suffix G	10
Density (lb/ft^3)	ASTM D3575-08	2.2
Cell Size (mm)	ASTM D3576-04 Modified	1.5
Water Absorption (lb/ft^2)	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	1.0×10^9 - 1.0×10^{13}
Thermal Conductivity (k value) BTU-IN/HR-FT^2-°F	ASTM C518-91	.43
Thermal Resistivity (R value) HR-FT^2-°F/BTU	ASTM C518-91	2.3

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:

Sealed Air

Sealed Air Specialty Materials
2401 Dillard Street
Grand Prairie, TX 75051 USA
T: 1.877.722.7631
www.sealedairspecialtymaterials.com

Our Products Protect Your Products®

Corporate Office Sealed Air Corporation
200 Riverfront Boulevard, Elmwood Park, NJ 07407 www.sealedair.com

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