



# ETHAFOAM<sup>\*</sup> HS 45

## Brand Polyethylene Foam Plank

ETHAFOAM HS 45 polyethylene foam is a strong, resilient, medium-density (3.9 pcf), closed-cell foam. It is ideally suited as a component material in products requiring a shock absorbing,

vibration dampening, insulating, barrier or buoyancy component, and as a material for cushioning components in packaging applications for impacts or loadings up to 5.0 psi.

Sizes available: Planks; 2" x 24" x 108"  
3" x 24" x 108"

Colors available: Natural, black

Physical Properties <sup>†</sup>	Test Method	Direction	Value
Density	ASTM D 3575, Suffix W, Method B	N/A	3.9 pcf
Compression Set	ASTM D 3575, Suffix B	Vertical	<15%
Compressive Creep @ 5.0 psi (1000 hr/72°F)	ASTM D 3575, Suffix BB	Vertical	<10%
Compression Deflection @ 10%	ASTM D 3575, Suffix D	Vertical	12 psi
		Extruded	24 psi
		Horizontal	11 psi
@ 25%		Vertical	14 psi
		Extruded	25 psi
		Horizontal	13 psi
@ 50%		Vertical	23 psi
		Extruded	35 psi
		Horizontal	24 psi
Thermal Stability (linear change)	ASTM D 3575, Suffix S	N/A	<1%
Thermal Conductivity		Vertical	0.4 Btu-in/hr-ft <sup>2</sup> -°F @ 75°F
Water Absorption	ASTM D 3575, Suffix L	N/A	<0.2 lb/sq ft
Buoyancy		N/A	58 lb/cu ft
Tensile Strength @ peak	ASTM D 3575, Suffix T	Average	60 psi
Tensile Elongation (linear change)	ASTM D 3575, Suffix T	Average	50%
Tear Strength	ASTM D 3575, Suffix G	Average	21 lb/in

<sup>†</sup>The data presented for this product are for unfabricated ETHAFOAM brand polyethylene foam products. While values shown are typical of the product, they should not be construed as specification limits.

– See reverse side for additional properties and product information.

## Product Features

ETHAFOAM HS 45 polyethylene foam is a durable, lightweight, flexible, solid extruded plank that meets or exceeds the requirements for U.S. Federal Standard PPP-C-1752D, Type III. As the properties listed on reverse suggest, ETHAFOAM HS 45 polyethylene foam offers excellent strength, resistance to creep under load, vibration and shock absorbency and water resistance characteristics.

ETHAFOAM HS 45 polyethylene foam is produced with Dow's patented *RapidRelease* manufacturing process. This new process technology incorporates a patented CFC- and HCFC-free blowing agent system and an accelerated curing system that reduces residual blowing agents in ETHAFOAM brand polyethylene foam products to trace amounts.

ETHAFOAM HS 45 polyethylene foam meets the requirements of the U.S. Clean Air Act Amendments. It is easily fabricated, impervious to most chemicals, non-abrasive and performs consistently over a wide range of temperatures. ETHAFOAM HS 45 polyethylene foam is also reusable and completely recyclable.

## Flammability

ETHAFOAM HS 45 polyethylene foam has successfully passed MVSS 302 flammability testing, conducted according to the Code of Federal Regulations, CFR 49.

## For Additional Information or Technical Support

For information on products, design assistance and testing services available from Dow, call 1-800-441-4369.

**CAUTION:** ETHAFOAM brand polyethylene foam is combustible and should not be exposed to flame or other ignition sources.

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The Dow Chemical Company, 2020 Dow Center, Midland, MI 48674  
Dow Chemical Canada Inc., P.O. Box 1012, 1086 Modeland Rd., Sarnia, Ont. N7T 7K7  
Dow Quimica Mexicana, S.A. de C.V., Av. Paseo de las Palmas 555-3, Lomas de Chapultepec, Mexico 11000 D.F., Mexico

