



# ETHAFOAM\* HS 600

## Brand Polyethylene Foam Plank

ETHAFOAM HS 600 polyethylene foam is a strong, resilient, high-density (6.0 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 10.0 psi.

Size available: Plank; 2" x 24" x 108"

Color available: Natural

Physical Properties <sup>†</sup>	Test Method	Direction	Value
Density	ASTM D 3575, Suffix W, Method B	N/A	6.0 pcf
Compression Set	ASTM D 3575, Suffix B	Vertical	<15%
Compressive Creep @ 10.0 psi (1000 hr/72°F)	ASTM D 3575, Suffix BB	Vertical	<10%
Compression Deflection @ 10%	ASTM D 3575, Suffix D	Vertical	22 psi
		Extruded	38 psi
		Horizontal	25 psi
@ 25%		Vertical	28 psi
		Extruded	41 psi
		Horizontal	28 psi
@ 50%		Vertical	42 psi
		Extruded	60 psi
		Horizontal	43 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	55 lb/cu ft
Tensile Strength @ peak	ASTM D 3575, Suffix T	Average	80 psi
Tensile Elongation (linear change)	ASTM D 3575, Suffix T	Average	40%
Tear Strength	ASTM D 3575, Suffix G	Average	30 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 600 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 IV. As the properties listed on reverse suggest, ETHAFOAM HS 600 polyethylene foam offers excellent strength, resistance to creep under load, vibration and shock absorbency and water resistance characteristics.

ETHAFOAM HS 600 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 600 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 600 polyethylene foam is also reusable and completely recyclable.

## Flammability

ETHAFOAM HS 600 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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March 1996 The Dow Chemical Company

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