



ETHAFOAM 222

Brand Polyethylene Foam Sheet

ETHAFOAM* 222 Sheet polyethylene foam is a strong, resilient, medium density 48 kg/m³ (3.0 pcf), closed-cell foam. It is ideally suited as a component material in other products requiring a shock absorbing, vibration dampening, insulating, barrier, or

buoyancy component, and as a material for cushioning components in packing applications for light to medium weight items.

Size available (Rolls):

1/4" x 54" x 3000 White
 1/2" x 54" x 1500" White
 3 x 1500 x 125000mm Blue
 5 x 1500 x 75000 mm Blue
 7 x 1500 x 100000mm Blue

Color available: White for NA
 Blue for Europe

Physical Properties [†]	Test Method	Direction	Value
Density	ASTM D3575, Suffix W, Method B; ISO 845		<u>kg/m³ (pcf)</u> 48 (3)
Compressive Deflection @ 10% @ 25% @ 50%	ASTM D3575, Suffix D	Average	<u>KPa (psi)</u> 21 (3) 48 (7) 103 (15)
Thermal Stability	ASTM D3575, Suffix S		< 1 %
Thermal Conductivity @ 24°C (75°F) @ -5°C (23°F)	ASTM D3575, Suffix V; EN 28301; ISO 2581	Vertical	<u>W/m²K (BTU-in/hr-ft²-°F)</u> 0.06 (0.42) 0.05 (0.37)
Water Absorption	ASTM D3575, Suffix L ISO 2896; ASTM C272		<u>kg/m² (lb/ft²)</u> < 0.5 (0.1)
Buoyancy	ASTM D3575, Suffix AA		< 1 vol % <u>kg/m³ (pcf)</u> 929 (58)
Tensile Strength @ peak	ASTM D3575, Suffix T; ISO 1798	Average	<u>kPa (psi)</u> 50 psi
Tensile Elongation	ASTM D3575, Suffix T; ISO 1798	Average	60%
Tear Strength	ASTM D3575, Suffix G	Average	<u>N/mm (lb/in)</u> 3.0 (17)

[†] 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 222 Sheet polyethylene foam is a resilient, durable, lightweight, flexible, solid extruded foam that meets or exceeds the requirements for U.S. Federal Standard PPP-C-1752D, Type I. As the properties listed on reverse suggest, ETHAFOAM 222 Sheet polyethylene foam offers excellent strength, resistance to creep under load, vibration and shock absorbency and water resistance characteristics.

ETHAFOAM 222 Sheet 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 222 Sheet 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 222 Sheet polyethylene foam is also reusable and recyclable.

Flammability

ETHAFOAM 222 Sheet polyethylene foam has successfully passed MVSS 302 flammability

testing conducted according to the U.S. Code of Federal Regulations, CFR 49.

CAUTION:

ETHAFOAM 222 Sheet polyethylene foam plank is combustible and should not be exposed to flame or other ignition sources.

For Additional Information or Technical Support

For information on products, design assistance and testing services available from Dow, in North America call 1-800-441-4369; in Europe call +49-7227-91-4101.

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