

# ETHAFOAM 400

## Brand Polyethylene Foam Plank

ETHAFOAM\* 400 polyethylene foam is a strong, resilient, medium-density (58 kg/m<sup>3</sup>), closed-cell foam. It is ideally suited as a component material in products requiring a shock absorbing, vibration

dampening, insulating, buoyancy component, and as a material for cushioning components in packaging applications for impacts or loadings up to 35 kPa.

**Size available (Planks):**  
50 x 600 x 2750 mm

**Colours available:** White, Black

Physical Properties(1)	Test Method	Value
Density	DIN 53420	58 kg/m <sup>3</sup>
Compression Set	DIN 53572 (25% Compression)	< 5%
Compressive Creep @ 35 kPa (1000 hr/23°C)	ASTM D 3575, Suffix BB	< 10%
Compression Deflection @ 10%	ASTM D 3575, Suffix D	85 kPa
@ 25%		115 kPa
@ 50%		170 kPa
Thermal Stability (linear change) 158°F (70°C), 1 week	DIN 53431	< 2%
Water Absorption	DIN 53433	< 1%
Tensile Strength @ peak	DIN 53571	450 kPa
Tensile Elongation (linear change)	DIN 53571	55%
Tear Strength	DIN 53575	2.5 N/mm

(1)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.

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## Product Features

ETHAFOAM\* 400 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 and CID A-A 5136 – Type III – Class 1 – Grade A. As the properties listed on reverse suggest, ETHAFOAM 400 polyethylene foam offers excellent strength, resistance to creep under load, vibration and shock absorbency and water resistance characteristics. ETHAFOAM 400 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 400 polyethylene foam is easily fabricated, impervious to most chemicals, non-abrasive and performs consistently over a wide range of temperatures. ETHAFOAM 400 polyethylene foam is also reusable and completely recyclable because it is made out of non-crosslinked polyethylene.

## Flammability

ETHAFOAM 400 polyethylene foam has successfully passed FMVSS 302 flammability

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

**CAUTION: ETHAFOAM 400 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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