

# ETHAFOAM 700

## Brand Polyethylene Foam Plank

ETHAFOAM\* 700 polyethylene foam is a strong, resilient, high-density (105 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 70 kPa.

**Size available (Planks):**  
50 x 600 x 2700 mm

**Colour available:** White

| Physical Properties(1)                                    | Test Method                 | Value                 |
|---|-----------------------------|-----------------------|
| Density   | DIN 53420                   | 105 kg/m <sup>3</sup> |
| Compression Set   | DIN 53572 (25% Compression) | < 5%                  |
| Compressive Creep<br>@ 70 kPa (1000 hr/23°C)              | ASTM D 3575, Suffix BB      | < 10%                 |
| Compression Deflection<br>@ 10%                           | ASTM D 3575, Suffix D       | 250 kPa               |
| @ 25%   |                             | 300 kPa               |
| @ 50%   |                             | 400 kPa               |
| Thermal Stability (linear change)<br>158°F (70°C), 1 week | DIN 53431                   | < 2%                  |
| Water Absorption  | DIN 53433                   | < 1%                  |
| Tensile Strength @ peak                                   | DIN 53571                   | 600 kPa               |
| Tensile Elongation (linear change)                        | DIN 53571                   | 50%                   |
| Tear Strength   | DIN 53575                   | 4.0 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.

## Product Features

ETHAFOAM\* 700 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 and CID A-A 59136 – Type IV – Class 1 – Grade A. As the properties listed on reverse suggest, ETHAFOAM 700 polyethylene foam offers excellent strength, resistance to creep under load, vibration and shock absorbency and water resistance characteristics. ETHAFOAM 700 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 700 polyethylene foam is easily fabricated, impervious to most chemicals, non-abrasive and performs consistently over a wide range of temperatures. ETHAFOAM 700 polyethylene foam is also reusable and completely recyclable because it is made out of non-crosslinked polyethylene.

## Flammability

ETHAFOAM 700 polyethylene foam has successfully passed FMVSS 302 flammability

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

**CAUTION: ETHAFOAM 700 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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