

# ETHAFOAM 220 Anti-Static

## Brand Polyethylene Foam Plank

ETHAFOAM\* 220 Anti-Static polyethylene foam is a strong, resilient, medium-density (35 kg/m<sup>3</sup>), closed-cell foam. It contains internal anti-static agents designed to eliminate electrostatic potential from the foam itself, and to dissipate electrostatic discharges from other sources.

ETHAFOAM 220 Anti-Static 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 17 kPa.

**Size available (Planks):**  
50 x 1000 x 2750 mm

**Colour available:** Pink

Physical Properties(1)	Test Method	Value
Density	DIN 53420	35 kg/m <sup>3</sup>
Static Decay Rate (seconds) (15% RH, 23°C)	Federal Test Standard101C, Method 4046.1; EIA 541	< 2.0 s
Surface Resistivity Surface Resistance (15% RH, 23°C)	ASTM D 257 EIA 541; EOS/ESD Standard 11.11	< 10 <sup>13</sup> ohms/square < 10 <sup>12</sup> ohms
Compression Set	DIN 53572 (25% Compression)	< 5%
Compressive Creep @ 17.5 kPa (1000 hr/23°C)	ASTM D 3575, Suffix BB	< 10%
Compression Deflection @ 10% @ 25% @ 50%	ASTM D 3575, Suffix D	40 kPa 55 kPa 110 kPa
Thermal Stability(linear change) 158°F (70°C), 1 week	DIN 53431	< 2%
Water Absorption	DIN 53433	< 2%
Tensile Strength @ peak	DIN 53571	300 kPa
Tensile Elongation(linear change)	DIN 53571	60%
Tear Strength	DIN 53575	1.2 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\* 220 Anti-Static polyethylene foam is a durable, lightweight, flexible, solid extruded plank that has been tested by SP – Swedish National Testing and Research Institute Electrotechnics/Electronics – and has received the ESD Approval Certificate as class A and B material. ETHAFOAM 220 Anti-Static meets or exceeds the requirement CID A-A 59136 – Type I – Class 1 – Grade B. As the properties listed on reverse suggest, ETHAFOAM 220 Anti-Static polyethylene foam offers excellent strength, resistance to creep under load, vibration and shock absorbency and water resistance characteristics. ETHAFOAM 220 Anti-Static 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 220 Anti-Static polyethylene foam is easily fabricated, impervious to most chemicals, non-abrasive and performs consistently over a wide range of temperatures. ETHAFOAM 220 Anti-Static polyethylene foam is also reusable and completely recyclable because it is made out of non-crosslinked polyethylene.

## Flammability

ETHAFOAM 220 Anti-Static polyethylene foam has successfully passed FMVSS 302 flammability testing, conducted according to the Code of Federal Regulations, CFR 49.

**CAUTION: ETHAFOAM 220 AS 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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