Ethafoam® 220 medium density polyethylene foam is a durable, lightweight, flexible, solid extruded product.

Ethafoam® 220 foam has outstanding dimensional stability and recovery characteristics that provide optimal cushioning protection against repeated impacts. It is ideal for cushion packaging and is used in many applications, including computer, automotive, construction and recreation.

Ethafoam® 220 foam is also ideally suited as a component material in products requiring a shock absorbing, vibration dampening, insulation, barrier and/or buoyancy component.

As the properties listed on the reverse suggest, the key features of Ethafoam® 220 foam include:

- Excellent Strength
- Resistance to Creep Under Load
- Vibration and Shock Absorbency
- Water Resistance Characteristics

Ethafoam® 220 foam is also available with fire-retardant and anti-static properties to safely protect sensitive electronic equipment during shipment and storage.

Sizes Available in Natural (Planks)

- 1.5” x 48” x 108”
- 2” x 24” x 108”
- 2” x 48” x 108”
- 2.5” x 48” x 108”
- 3” x 24” x 108”
- 3” x 48” x 108”
- 4” x 24” x 108”
- 4” x 48” x 108”

Sizes Available in Black (Planks)

- 2” x 24” x 108”
- 2” x 48” x 108”
- 3” x 48” x 108”
- 4” x 24” x 108”
- 4” x 48” x 108”

Sizes Available in Anit-Static Pink (Planks)

- 2” x 24” x 108”
- 2” x 48” x 108”

Sizes Available in Fire Retardant Blue/Grey (Planks)

- 2” x 24” x 108”

Environmental Summary

Source Reduction | Re-Use | Recycle
--- | --- | ---
Owing to the high performance cushioning of Ethafoam® planks, less material is required per package. | Sealed Air polyethylene foams are designed to withstand multiple drops resulting in a pack that can be used many times. | Sealed Air polyethylene foams are non-crosslinked produced from a low density polyethylene (LDPE). A material that can easily be recycled.

5 Step Packaging Design:

1. Define Shipping Environment
2. Define Product Fragility
3. Select Appropriate Cushioning Material
4. Design and Fabricate Prototype Pack
5. Verify Pack with Packaging Testing
## TYPICAL PHYSICAL PROPERTIES CHART OF ETHAFOAM® 220 POLYETHYLENE FOAM

<table>
<thead>
<tr>
<th>TYPICAL MEASUREMENTS (Not Product Specification Limits)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength (psi)</td>
<td></td>
</tr>
<tr>
<td>vertical @ 25%</td>
<td>ASTM D3575-08 Suffix D</td>
</tr>
<tr>
<td>vertical @ 50%</td>
<td>18</td>
</tr>
<tr>
<td>Compressive Set (%)</td>
<td>ASTM D3575-08 Suffix B</td>
</tr>
<tr>
<td>Compressive Creep (%) ( @ 2.5 psi /1000 hours)</td>
<td>ASTM D3575-08 Suffix BB</td>
</tr>
<tr>
<td>Tensile Strength @ ⅛” Thickness</td>
<td>ASTM D3575-08 Suffix T</td>
</tr>
<tr>
<td>Tear Resistance (lb/in) across grain @ ⅛” thickness</td>
<td>ASTM D3575-08 Suffix G</td>
</tr>
<tr>
<td>Density (lb/ft³)</td>
<td>ASTM D3575-08</td>
</tr>
<tr>
<td>Cell Size (mm)</td>
<td>ASTM D3576-04 Modified</td>
</tr>
<tr>
<td>Water Absorption (lb/ft³)</td>
<td>ASTM D3575-08 Suffix L</td>
</tr>
<tr>
<td>Thermal Stability (%)</td>
<td>ASTM D3575-08 Suffix S</td>
</tr>
<tr>
<td>Static Decay (sec) (Anti-Static Grade)</td>
<td>EIA Std. 541 Append. F</td>
</tr>
<tr>
<td>Surface Resistivity (ohms/sq) (Anti-Static Grade)</td>
<td>EIA Std. 541 Sect. 4.3</td>
</tr>
<tr>
<td>Thermal Conductivity (k value)</td>
<td>ASTM C518-91</td>
</tr>
<tr>
<td>Thermal Resistivity (R value)</td>
<td>ASTM C518-91</td>
</tr>
</tbody>
</table>

The data presented for this product is for unfabricated Ethafoam® polyethylene foam products. While values shown are typical of the product, they should not be construed as specification limits.