Foam-Control EPS Geofoam is a cellular plastic material that is strong, but has very low density (1% of traditional earth materials.) It is manufactured in block form and meets ASTM D6817, “Standard Specification for Rigid, Cellular Polystyrene Geofoam.”

**Ready to Use.**
Foam-Control EPS Geofoam maximizes onsite installation efficiency: material arrives ready to place, no weather delays.

**Quality Assurance.**
Foam-Control EPS Geofoam meets or exceeds the requirements of ASTM D6817, “Standard Specification for Rigid, Cellular Polystyrene Geofoam.” Foam-Control EPS is monitored for Quality Control and Listed by Underwriters Laboratories Inc.

**Size and Shape.**
Foam-Control EPS Geofoam is produced in block form and is easily positioned at the work site. Standards sizes:
- 4’ (1.2 m) widths
- 8’ (2.4 m) up to 16’ (4.8 m) lengths
- 1” (25 mm) to 36” (914 mm) thickness
Other sizes and fabrication can be provided by the manufacturer.

**Design.**
For most applications, long-term design loads should not exceed the linear elastic range of Foam-Control EPS Geofoam. Combined live and dead load stresses should not exceed the compressive resistance at 1% strain.

**Additional Information.**
Please consult the Foam-Control EPS Geofoam TechData which provides additional information, design considerations, and technical information on the full range of EPS Geofoam materials available. Please also refer to ASTM D6817, ASTM D7180, and ASTM D7557.

Foam-Control EPS Geofoam with Perform Guard is available to provide protection against termites.

### Foam-Control EPS Geofoam Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Density, min.</th>
<th>Compressive Resistance @ 1% deformation, min.</th>
<th>Elastic Modulus, min.</th>
<th>Flexural Strength, min.</th>
<th>Buoyancy Force</th>
<th>Water Absorption by total immersion, max., volume %</th>
<th>R-value</th>
<th>Additional Properties for Compressible Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, min. lb/ft³ (kg/m³)</td>
<td>2.85 (45.7)</td>
<td>18.6 psf (2680 kPa)</td>
<td>1860 psi (12800 kPa)</td>
<td>75.0 psi (517 kPa)</td>
<td>59.5 (950)</td>
<td>2.0</td>
<td>25°F</td>
<td>Compressive Resistance @ 5% deformation, min.</td>
</tr>
<tr>
<td>Compressive Resistance @ 1% deformation, min.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>40°F</td>
<td>Compressive Resistance @ 10% deformation, min.</td>
</tr>
<tr>
<td>Elastic Modulus, min.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>75°F</td>
<td></td>
</tr>
<tr>
<td>Flexural Strength, min.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Compressive Resistance @ 5% deformation, min.</td>
</tr>
<tr>
<td>Buoyancy Force</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Compressive Resistance @ 10% deformation, min.</td>
</tr>
<tr>
<td>Water Absorption by total immersion, max., volume %</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>R-value</th>
<th>Thermal Resistance per 1.0 in. thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°F</td>
<td>5.1 °F.ft².h/Btu (0.90 (kW.m²°C))</td>
</tr>
<tr>
<td>40°F</td>
<td>4.9 °F.ft².h/Btu (0.85 (kW.m²°C))</td>
</tr>
<tr>
<td>75°F</td>
<td>4.5 °F.ft².h/Btu (0.78 (kW.m²°C))</td>
</tr>
</tbody>
</table>

- Flame Spread Index: <25
- Smoke Developed Index: <450
- Oxygen Index, min., volume %: 24

### Additional Properties for Compressible Applications

<table>
<thead>
<tr>
<th>Property</th>
<th>Density, min.</th>
<th>Compressive Resistance @ 5% deformation, min.</th>
<th>Compressive Resistance @ 10% deformation, min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, min. lb/ft³ (kg/m³)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressive Resistance @ 5% deformation, min.</td>
<td></td>
<td>43.5 psf (6260 kPa)</td>
<td>50.0 psf (7200 kPa)</td>
</tr>
<tr>
<td>Compressive Resistance @ 10% deformation, min.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Please refer to UL certificate for complete information.