

Technical Information

Stratocell® E, S, H Laminated Polyethylene Foam

| Physical Properties* | Test Method | E | S | H |
|--|-----------------------------------|--|-------------------|------------------|
| Compression Strength (psi) Vertical direction @ 25% / 50% | ASTM D3575-00 Suffix D | 5 13 | 6 14.5 | 7 16 |
| Compression Set (%) | ASTM D3575-00 Suffix B | 23 | 21 | 19 |
| Compression Creep | ASTM D3575-00 Suffix BB 168 hr | < 10 @1.0 psi | < 10 @1.25 psi | < 10 @2.0 psi |
| Tensile Strength (psi) (@1/2 inch thickness) | ASTM D3575-00 Suffix T md/cmd | 32 20 | 35 24 | 40 30 |
| Tear Resistance (lb/in) (@1/2 inch thickness) | ASTM D3575-00 Suffix G md/cmd | 10 6 | 11 8 | 13 11 |
| Density Range (lb/ft ³) | ASTM D3575-00 | 1.1 – 1.4 | 1.4 – 1.8 | 1.9 – 2.3 |
| Cell Size (mm) | ASTM D3576 Modified | 1.4 | 1.2 | 1.0 |
| Water Absorption (lb/ft ²) | ASTM D3575-00 Suffix L | < 0.1 | < 0.1 | < 0.1 |
| Thermal Stability | ASTM D3575-00 Suffix S | < 5% | < 5% | < 5% |
| Contact Corrosivity (Alum. Plate) | Method 3005 FED. STD. 101 | None | None | None |
| Thermal Conductivity (k-value) (BTU·In / Hr·Ft ² - °F) | ASTM C518-91 | 0.34 - 0.43 | | |
| Thermal Resistance (R-value) (HR·FT ² - °F / BTU) | ASTM C518-91 | 2.38 - 2.94 | | |
| Static Decay (Anti-static grade) | EIA STD 541 Appendix F | < 2 sec. | | |
| Surface Resistivity (Anti-static grade) | EIA STD 541 Section 4.3 | 1.0 x 10 ⁹ – 1.0 x 10 ¹² | | |

*The data presented for this product is for unfabricated Sealed Air Corporation brand polyethylene foam products. While values shown are typical of this product, they should not be construed as specification limits.