

# 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 <sup>3</sup> )	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 <sup>2</sup> )	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 <sup>2</sup> - °F)	ASTM C518-91	0.34 - 0.43		
Thermal Resistance (R-value) (HR·FT <sup>2</sup> - °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 <sup>9</sup> – 1.0 x 10 <sup>12</sup>		

\*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.