

TECHNICAL INFORMATION SHEET

Typical Physical Properties

Physical Properties	Test Method	Ethafoam® 150	Ethafoam® 180*	Ethafoam® 220*	Ethafoam® 400*	Ethafoam® 600	Ethafoam® 900
Density (lb/ft <sup>3</sup> )	ASTM D3575-08	1.5	1.8	2.2	4.0	6.0	9.6
Compressive Strength (psi) vertical @ 25% vertical @ 50%	ASTM D3575-08 - Suffix D	7 14	8 16	10 18	17 28	28 45	60 90
Compressive Set (%)	ASTM D3575-08 - Suffix B	< 20	< 20	< 20	< 15	< 15	< 15
Compressive Creep (%) (1000 hrs)	ASTM D3575-08 - Suffix BB	< 10 @ 1.3 psi	< 10 @ 2.0 psi	< 10 @ 2.5 psi	< 10 @ 5.0 psi	< 10 @ 10 psi	< 10 @ 20 psi
Tensile Strength (avg. @ 1/2" Thickness)	ASTM D3575-08 - Suffix T	23	24	31	43	65	120
Tear Resistance (lb/in) (avg. @ 1/2" thickness)	ASTM D3575-08 - Suffix G	7	7.5	11	17	22	35
Cell Size (mm)	ASTM D3576-04 - Modified	2.4	1.9	1.5	1.4	1.1	1
Water Absorption (lb/ft <sup>2</sup> )	ASTM D3575-08 - Suffix L	< 0.3	< 0.3	< 0.3	< 0.2	< 0.2	< 0.2
Thermal Stability (%)	ASTM D3575-08 - Suffix S	< 2	< 2	< 2	< 2	< 2	< 2
Static Decay* (sec) (Anti-Static Grade)	EIA Std. 541 - Append. F	< 2	< 2	< 2	< 2	< 2	< 2
Surface Resistivity* (ohms/sq) (Anti-Static Grade)	EIA Std. 541 - Section 4.3	1.0 x 10 <sup>9</sup> - 1.0 x 10 <sup>13</sup>	1.0 x 10 <sup>9</sup> - 1.0 x 10 <sup>13</sup>	1.0 x 10 <sup>9</sup> - 1.0 x 10 <sup>13</sup>	1.0 x 10 <sup>9</sup> - 1.0 x 10 <sup>13</sup>	1.0 x 10 <sup>9</sup> - 1.0 x 10 <sup>13</sup>	1.0 x 10 <sup>9</sup> - 1.0 x 10 <sup>13</sup>
Thermal Conductivity (k value) BTU-IN/HR-FT <sup>2</sup> -°F	ASTM C518-91	.49	.49	.43	.43	.43	.43
Thermal Resistivity (R value) HR-FT <sup>2</sup> -°F/BTU	ASTM C518-91	2.0	2.0	2.3	2.3	2.3	2.3

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

\* Anti-Static

Notes:

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