

Technical Information

Ethafoam® 4101 FR Flame Retardant Polyethylene Foam

Physical Properties*	Test Method	Value
Compression Strength (psi) @ 10% / 25% / 50%	ASTM D3575-08 Suffix D	8 10 18
Compression Set (%)	ASTM D3575-08 Suffix B	< 20
Compression Creep (%) @ 2.5 psi (1000 hours)	ASTM D3575-08 Suffix BB	< 10
Tensile Strength (psi) (average @ 1/2" thickness)	ASTM D3575-08 Suffix T	31
Tensile Elongation (%) (average @ 1/2" thickness)	ASTM D3575-08 Suffix T	55
Tear Resistance (lb/in) (average @ 1/2" thickness)	ASTM D3575-08 Suffix G	11
Density (lb/ft ³)	ASTM D3575-08 Suffix W Method B	2.2
Cell Size (mm)	ASTM D3576 Modified	1.5
Water Absorption (lb/ft ²)	ASTM D3575-08 Suffix L	< 0.3
Thermal Stability (%)	ASTM D3575-08 Suffix S	< 2
Buoyancy (pcf)	ASTM D3575-08 Suffix AA	58
Thermal Conductivity (k-value) (BTU·In / Hr·Ft ² - °F)	ASTM D3575-08 Suffix V Method B	.43
Fire Test Response Characteristic	US CFR Title 14 25.853 (a) ABD 0031 UL 94	Pass Pass Pass HBF
Flame Spread Index	ASTM E162	≤ 125*
Optical Density	ASTM E662	≤ 400*

NOTICE: The data presented for these products is for unfabricated polyethylene foam products. While values shown are typical of these products, they should not be construed as specification limits. Sealed Air makes no warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, with respect to any product, information or recommendations referred to herein, and shall not be liable for any loss or damage, directly or indirectly, related to such product, information or recommendations or for consequential or incidental damages. User should test each application to determine suitability of the product for the intended use.

*Shall not exceed



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