

Physical properties	Test Method	ElasticPlank® 120	ElasticPlank® 150	ElasticPlank® 170	ElasticPlank® 220	ElasticPlank® 400	ElasticPlank® 600
Type CID-AA-59136		N/A	N/A	Type I	Type I	Type III	Type IV
Density (lb/ft ³)	ASTM D-3575 08 Suffix W	1.1-1.3	1.4-1.6	1.6-1.8	2.0-2.3	3.6-4.2	5.8-6.4
Compression Strength (psi) Vertical @ 25% Vertical @ 50%	ASTM D-3575 08 Suffix D	6	7	8	9	15	26
		12	14	15	17	27	38
Compression Set (%)	ASTM D-3575 08 Suffix B	< 25	< 25	< 20	< 20	< 15	< 10
Compression Creep(%)1000hrs	ASTM D-3575 08 Suffix BB	< 10 @ 1 psi	< 10 @ 1.3 psi	< 10 @ 2 psi	< 10 @ 2.5 psi	< 10 @ 5 psi	< 10 @ 10 psi
Tensile Strength (psi) (avg.@ 1/2" thickness)	ASTM D-3575 08 Suffix T	21	22	24	31	43	65
Tear Resistance (lb/in) (avg.@ 1/2" thickness)	ASTM D-3575 08 Suffix G	6	6	8	11	17	22
Cell Size (mm)	Huancheng	2.5	2.5	2	1.5	1.4	1.2
Water absorption (lb/ft)	ASTM D-3575 08 Suffix L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.2	< 0.2
Thermal Stability %	ASTM D-3575 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 ⁹ - 1.0 x 10 ¹³	1.0 x 10 ⁹ - 1.0 x 10 ¹³	1.0 x 10 ⁹ - 1.0 x 10 ¹³	1.0 x 10 ⁹ - 1.0 x 10 ¹³	1.0 x 10 ⁹ - 1.0 x 10 ¹³	1.0 x 10 ⁹ - 1.0 x 10 ¹³
Thermal Conductivity (K value) BTU-IN/HR-FT ² -°F	ASTM C518-91	0.49	0.49	0.43	0.43	0.43	0.43
Thermal Resistivity (R value) HR-FT ² - °F/BTU	ASTM C518-91	2	2	2.3	2.3	2.3	2.3

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

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