



SPECIAL DENSITY ROLLS

TECHNICAL DATA TYPICAL PHYSICAL PROPERTIES

	TEST METHOD	UNIT	1/8" SD ROLLS				1/4" SD ROLLS				3/8" SD ROLLS		1/2" SD ROLLS		
			1.7 PCF	2.2 PCF	4.0 PCF	6.0 PCF	1.7 PCF	2.2 PCF	4.0 PCF	6.0 PCF	1.7 PCF	2.2 PCF	1.2 PCF	1.7 PCF	2.2 PCF
DENSITY RANGE	ASTM D3575-00	lb/ft ³	1.5 - 1.9	2.1 - 2.3	3.5 - 4.5	5.5 - 6.5	1.5 - 1.9	2.1 - 2.3	3.5 - 4.5	5.5 - 6.5	1.5 - 1.9	2.1 - 2.3	1.2 - 1.45	1.5 - 1.9	2.0 - 2.4
COMPRESSIVE STRENGTH	ASTM D3575-00 Suffix D	@ 25% psi	3.0	3.5	4.0	7.0	3.8	4.2	5.0	9.0	4.3	4.8	4.8	5.2	6.5
		@ 50% psi	11.0	11.5	12.0	18.0	11.7	12.4	13.0	21.0	12.2	12.8	12.8	13.4	15.0
COMPRESSION SET	ASTM D3575-00 Suffix B	%	< 30	< 25	< 20	< 20	< 30	< 25	< 20	< 15	< 25	< 22	< 20	< 20	< 15
TENSILE STRENGTH	ASTM D3575-00 Suffix T	MD (psi)	85	100	120	155	58	70	90	130	50	58	39	44	48
		CMD (psi)	33	50	70	100	30	45	65	110	27	38	23	26	32
ELONGATION %	ASTM D3575-00 Suffix T	MD %	70	85	110	110	86	92	100	115	70	82	74	79	80
		CMD %	47	68	95	90	60	72	90	95	68	78	62	65	74
TEAR RESISTANCE (LB/IN)	ASTM D3575-00 Suffix G (md/cmd)	MD (lb/in)	12	15	19	45	11	14	18	44	11	15	7	10	14
		CMD (lb/in)	19	21	25	57	17	19	23	48	16	19	13	15	18
WATER ABSORPTION	ASTM D3575-00 Suffix L	lb/ft ²	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
THERMAL STABILITY @ MD/CD (EXCEPT TD)	ASTM D3575-00 Suffix S	%	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%	< 5%
*STATIC DECAY (ANTI-STATIC GRADE)	EIA STD. 541 Appendix F	Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec	< 2 Sec
*SURFACE RESISTIVITY (ANTI-STATIC GRADE)	EIA STD. 541 Section 4.3		10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹	10 ⁹ - 10 ¹¹
THERMAL CONDUCTIVITY K - VALUE	ASTM C518-91	BTU.IN / HR-FT ² - °F	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45	0.40 - 0.45
THERMAL RESISTANCE R - VALUE	ASTM C518-91	HR-FT ² - °F / BTU.IN	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5	2.2 - 2.5
CONTACT CORROSION (ALUM. PLATE)	Method 3005 FED STD 101		None	None	None	None	None	None	None	None	None	None	None	None	None

The data presented for these products is unconverted-type polyethylene foam products.
While values shown are typical of these products, they should not be construed as specification limits.
* Data refers to Anti-Static grade product only.