



Eden Research Laboratory

To: BioSphere

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Regarding: ASTM D 5511-12 test update for EVA Foam - 925 days

Update

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	Inculum	Negative	Positive	881 - Control Form	882 - Form w/201 Additive
Cumulative Gas Volume (mL)	1547.1	1747.6	9398.1	3464.3	16442.4
Percent CH ₄ (%)	38.7	37.3	38.4	42.5	50.6
Volume CH ₄ (mL)	598.7	652.6	3611.6	1474.1	8323.9
Mass CH ₄ (g)	0.43	0.47	2.58	1.05	5.95
Percent CO ₂ (%)	41.9	40.1	43.2	37.2	37.2
Volume CO ₂ (mL)	647.4	700.5	4061.2	1289.0	6113.0
Mass CO ₂ (g)	1.27	1.38	7.98	2.53	12.01
Sample Mass (g)	1,000	10	10	10.0	10.0
Theoretical Sample Mass (g)	0.0	8.6	4.4	8.2	8.2
Biodegraded Mass (g)	0.67	0.72	4.11	1.48	7.73
Percent Biodegraded (%)		0.7	77.9	9.9	86.5

Biodegradation

