



May 31, 2016

Mail To:

Roger Singleton
Silt Saver

Bill To:

Roger Singleton
Silt Saver

email: roger@siltsaver.com
email: Tim@siltsaver.com

Dear Mr. Singleton:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report of the laboratory testing for the sample(s) listed below.

Project: **Silt Fence Testing BSRF P-2**

TRI Job Reference Number: 20940

Material(s) Tested: One, Nonwoven Geotextile Silt Fence(s)

Test(s) Requested: Grab Tensile (ASTM D 4632) - Fabric and Band
Permittivity (ASTM D 4491)
Apparent Opening Size (ASTM D 4751) Updating

If you have any questions or require any additional information, please call us at 1-800-880-8378

Sincerely,

Mansukh Patel
Laboratory Manager
Geosynthetic Services Division
www.GeosyntheticTesting.com

*Signature is on file



GEOTEXTILE TEST RESULTS

TRI Client: Silt Saver

Project: Silt Fence Testing BSRF P-2

Material: Nonwoven Geotextile Silt Fence

Sample Identification: BSRF P-2

TRI Log #: 20940

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	98	96	95	99	86	109	117	97	106	95	100	9
TD - Tensile Strength (lbs)	78	81	70	70	72	75	66	72	65	60	71	6
MD - Elong. @ Max. Load (%)	91	86	83	97	93	87	96	82	89	83	89	6
TD - Elong. @ Max. Load (%)	109	117	115	108	121	111	104	115	105	105	111	6
Grab Tensile Properties (ASTM D 4632,mod via Strip Tensile for black Band Strap)												
Tensile Strength (lbs)	484	474	463	476	454						470	12
Elong. @ Max. Load (%)	30	27	25	28	25						27	2
Apparent Opening Size (ASTM D 4751)												
Opening Size Diameter (mm)	0.179	0.295	0.153	0.300	0.150						0.215	0.076
Sieve No.	70	50	70	40	70						50	
Falling Head Permittivity (ASTM D 4491, 9-In Upper Standpipe; 2 in opening)												
Water Temp. (C):	20.9											
Correction Factor:	0.983											
Test Specimen No. >:	1					2						
Thickness (mils)	37.2	37.2	37.2	37.2	37.2	31	31	31	31	31		
Time (s)	12.0	12.0	11.8	11.8	12.0	11.9	11.9	11.9	11.9	11.8		
Specimen Permittivity (s-1)	2.36	2.36	2.40	2.40	2.36	2.38	2.38	2.38	2.38	2.40		
Specimen Permittivity @20°C (sec-1)	2.32	2.32	2.36	2.36	2.32	2.34	2.34	2.34	2.34	2.36		
Specimen Flow rate (GPM/ft2)	174	174	177	177	174	175	175	175	175	177		
Specimen Permeability (cm/s)	0.220	0.220	0.223	0.223	0.220	0.185	0.185	0.185	0.185	0.186		
Test Specimen No. >:	3					4						
Thickness (mils)	32.8	32.8	32.8	32.8	32.8	33	33	33	33	33		
Time (s)	11.1	11.1	11.2	11.1	11.2	11.7	11.7	11.8	11.7	11.7		
Specimen Permittivity (s-1)	2.56	2.56	2.53	2.56	2.53	2.43	2.43	2.40	2.43	2.43		
Specimen Permittivity @20°C (sec-1)	2.51	2.51	2.49	2.51	2.49	2.38	2.38	2.36	2.38	2.38		
Specimen Flow rate (GPM/ft2)	188	188	186	188	186	178	178	177	178	178		
Specimen Permeability (cm/s)	0.209	0.209	0.208	0.209	0.208	0.200	0.200	0.198	0.200	0.200		
						TEMPERATURE CORRECTED VALUES					Permittivity (s-1)	2.39
											Flow rate (GPM/ft2)	179
											Permeability (cm/s)	0.204