



TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

Austin, TX - USA | CA - USA | SC - USA | Gold Coast - Australia | Suzhou - China | Sao Paulo, Brazil | Johannesburg - Africa

October 15, 2021
November 2, 2021

UV Updated

Mail To:

Beth Powell
New Pig Energy
201 Jefferson Avenue
Tyrone, PA 16686

email: bethp@newpigenergy.com

Dear Ms. Powell:

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:

Two Layer Testing

TRI Job Reference Number:

67352

Material(s) Tested:

One, New Pig Energy Woven Geotextile(s)

Test(s) Requested:

Grab Tensile (ASTM D 4632)
Permittivity (ASTM D 4491)
Width (ASTM D3774)
UV Resistance (ASTM D 4355)

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

*Signature is on file

Bill To:

<= Same



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GEOTEXTILE TEST RESULTS

TRI Client: New Pig Energy

Project: Two Layer Testing

Material: New Pig Energy Woven Geotextile

Sample Identification: 2-Layer Silt-Fence Material

TRI Log #: 67352

PARAMETER	TEST REPLICATE NUMBER					MEAN	STD. DEV.	
	1	2	3	4	5			
UV Resistance (ASTM D 4355)								
Strength Retained measured via strip tensile (ASTM D 5035)								PERCENT RETAINED
MD - Tensile Strength (lbs) - B	455	455	463	458	431	453	12	
MD - Tensile Strength (ppi) - B	228	227	232	229	216	226	6	
MD - Tensile Strength (N) - B	2026	2024	2061	2039	1918	2014	55	
MD - Tensile Strength (kN/m) - B	39.9	39.8	40.6	40.1	37.8	39.6	1.1	
MD - Tensile Strength (lbs) - E	434	436	442	465	421	439	16	97
MD - Tensile Strength (ppi) - E	217	218	221	232	210	220	8	
MD - Tensile Strength (N) - E	1932	1941	1965	2068	1872	1956	72	
MD - Tensile Strength (kN/m) - E	38.0	38.2	38.7	40.7	36.9	38.5	1.4	
TD - Tensile Strength (lbs) - B	524	497	535	547	482	517	27	
TD - Tensile Strength (ppi) - B	262	248	267	274	241	259	13	
TD - Tensile Strength (N) - B	2333	2211	2379	2434	2147	2301	119	
TD - Tensile Strength (kN/m) - B	45.9	43.5	46.8	47.9	42.3	45.3	2.3	
TD - Tensile Strength (lbs) - E	458	518	536	522	481	503	32	97
TD - Tensile Strength (ppi) - E	229	259	268	261	241	251	16	
TD - Tensile Strength (N) - E	2038	2305	2385	2321	2141	2238	144	
TD - Tensile Strength (kN/m) - E	40.1	45.4	46.9	45.7	42.1	44.1	2.8	
MD - Elong. @ Max. Load (%) - B	30	31	31	35	35	33	2	
MD - Elong. @ Max. Load (%) - E	31	32	31	32	36	32	2	100
TD - Elong. @ Max. Load (%) - B	17	21	19	18	17	18	2	
TD - Elong. @ Max. Load (%) - E	17	20	19	19	19	19	1	103
B - Baseline Unexposed E - Exposed for 500 hours of ASTM D 4355 Cycle								
MD Machine Direction						TD Transverse Direction		