

TABLE 1.
MATERIAL PROPERTIES
CLIENT: Pollution Solution Inc.
PROJECT: Geotextile Testing

Date Received: **11/25/2015**
 Date Reported: **12/7/2015**
 Client Sample ID: **AGG2**
 Material Description: **Above Ground Grated Filter**

QC'd By: *Maria Espitia*
 TRI Job No.: **R15048**
 TRI Control No.: **00841**

		SPECIMENS										Avg.	Std. Dev.	Min	Max	Proj. Specs.
METHOD	DESCRIPTION	1	2	3	4	5	6	7	8	9	10					
ASTM D5261	Mass per Unit Area (oz/ yd. ²) <i>Test Specimen Size: 4" x 8"</i>	6.28	6.24	6.34	6.57	6.48						6.38	0.14	6.24	6.57	
ASTM D4632	Grab Tensile <i>Test was performed as directed in D4632, dry condition. Instron Tensile Testing Machine with hydraulic action grips and 1 in x 2 in rubber faces was used. Maximum load used for testing: 400 lbs</i>															
	Grab Breaking Load (lbs)															
	Direction A	109	120	112	119							115	5	109	120	
	Direction B	198	184	190	193							191	6	184	198	
	Apparent Breaking Elongation (percent)															
	Direction A	70	67	69	74							70	3	67	74	
	Direction B	93	91	94	94							93	2	91	94	
ASTM D4533	Trapezoid Tear Strength (lbs) <i>Specimens were tested as directed in Test Method D4533, dry condition.</i>															
	Direction A	78	81	76	84							80	3	76	84	
	Direction B	73	74	72	81							75	4	72	81	
ASTM D4491	Permittivity (sec. ⁻¹)															
Constant Head	<i>Four specimens were tested by holding the head constant at 50 mm. The corresponding water volume passing through the specimen was collected at the discharge side and the amount and time recorded. Five readings were taken for each specimen. BT Technology permittivity testing apparatus compliant to ASTM D4491 requirements was used.</i>															
		1.50	1.45	1.64	1.63							1.56	0.10	1.45	1.64	
	Permeability (cm./ sec.)															
		0.19	0.18	0.20	0.20							0.19	0.01	0.18	0.20	
	Flow Rate (gpm/ ft. ²)															
		112	108	123	122							116	7	108	123	

Continued on next page

(Sheet 1 of 2)

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ASTM D6241	Static Puncture Strength (lbs) <i>The specimens were tested in accordance with ASTM D6241. Specimens were conditioned for 1 hr in the laboratory at 21+/-5° C (75+/-3.6oF) and at 60%+/-10 Relative Humidity. Specimens were secured between the holding plates ensuring that they extended to or beyond the outer edges of the clamping plates.</i>															
		549	553	445	491							509	52	445	553	
	Deflection @ Maximum Force (in)															
		2.5	2.5	2.2	2.4							2.4	0.1	2.2	2.5	

(End of Table 1)

(Sheet 2 of 2)

By accepting the data and results presented on this report, the Client agrees to limit the liability of TRI Environmental Inc from Client and all other parties for claims on issues, due to the use of this data, to the cost for the respective tests presented in this report; and the Client agrees to indemnify and hold harmless TRI Environmental, Inc. from and against all liabilities in excess of the aforementioned limit.