



GEOSYNTHETICS TEST RESULTS

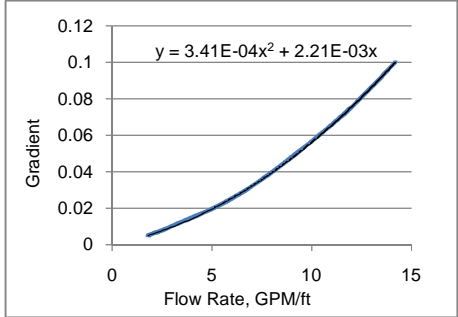
TRI Client: Airfield Systems

Project: Airdrain Project

Material: Airdrain

Sample Identification: C#00932

TRI Log #: 22857

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.																																																																																				
	1	2	3	4	5	6	7	8	9	10																																																																																						
<p><b>Hydraulic Transmissivity (ASTM D 4716)</b></p> <p style="border: 1px solid black; padding: 2px; display: inline-block;">Plate / Expanded Polystyrene / 4.5 oz NWGT / Airdrain / 10 oz NWGT / Plate</p>																																																																																																
<p>Direction Tested: Machine Direction</p> <table border="1" style="display: inline-table; vertical-align: top;"> <tr><td>Normal Load (psf):</td><td>125</td></tr> <tr><td>Hydraulic Gradient:</td><td>0.75</td></tr> <tr><td>Test Length (in)</td><td>12</td></tr> <tr><td>Test Width (in)</td><td>12</td></tr> <tr><td>Seat Time, hrs</td><td>0.25</td></tr> </table>													Normal Load (psf):	125	Hydraulic Gradient:	0.75	Test Length (in)	12	Test Width (in)	12	Seat Time, hrs	0.25																																																																										
Normal Load (psf):	125																																																																																															
Hydraulic Gradient:	0.75																																																																																															
Test Length (in)	12																																																																																															
Test Width (in)	12																																																																																															
Seat Time, hrs	0.25																																																																																															
<p style="text-align: center;"><b>Characteristic Equation Extrapolation</b></p> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p><b>C2</b> 3.41E-04</p> <p><b>C1</b> 2.21E-03</p> <p><b>Extrapolated</b> i= 0.75</p> </div> </div>																																																																																																
											Flow Rate (GPM/ft width)	<b>43.8</b>																																																																																				
											Flow Rate (LPM/m width)	<b>543.6</b>																																																																																				
											Transmissivity (m <sup>2</sup> /s)	<b>4.53E-01</b>																																																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Hydraulic Gradient:</td> <td>0.1</td> <td>Volume (cc)</td> <td>6000</td> <td>6000</td> <td>6000</td> <td colspan="6"></td> </tr> <tr> <td>Test Length (in)</td> <td>12</td> <td>Time (s)</td> <td>6.7</td> <td>6.7</td> <td>6.7</td> <td colspan="6"></td> </tr> <tr> <td>Test Width (in)</td> <td>12</td> <td>Flow Rate (GPM/ft width)</td> <td>14.18</td> <td>14.18</td> <td>14.18</td> <td colspan="6"></td> </tr> <tr> <td>Seat Time, hrs</td> <td>0.25</td> <td>Flow Rate (LPM/m width)</td> <td>176.16</td> <td>176.16</td> <td>176.16</td> <td colspan="6"></td> </tr> <tr> <td colspan="2"></td> <td>Transmissivity (m<sup>2</sup>/s)</td> <td>2.94E-02</td> <td>2.94E-02</td> <td>2.94E-02</td> <td colspan="6"></td> </tr> <tr> <td colspan="2"></td> <td>Test Temp (C)</td> <td colspan="3">20.2</td> <td colspan="6"></td> </tr> <tr> <td colspan="2"></td> <td>Temp. Corr. Factor</td> <td colspan="3">0.999</td> <td colspan="6"></td> </tr> </table>													Hydraulic Gradient:	0.1	Volume (cc)	6000	6000	6000							Test Length (in)	12	Time (s)	6.7	6.7	6.7							Test Width (in)	12	Flow Rate (GPM/ft width)	14.18	14.18	14.18							Seat Time, hrs	0.25	Flow Rate (LPM/m width)	176.16	176.16	176.16									Transmissivity (m <sup>2</sup> /s)	2.94E-02	2.94E-02	2.94E-02									Test Temp (C)	20.2											Temp. Corr. Factor	0.999								
Hydraulic Gradient:	0.1	Volume (cc)	6000	6000	6000																																																																																											
Test Length (in)	12	Time (s)	6.7	6.7	6.7																																																																																											
Test Width (in)	12	Flow Rate (GPM/ft width)	14.18	14.18	14.18																																																																																											
Seat Time, hrs	0.25	Flow Rate (LPM/m width)	176.16	176.16	176.16																																																																																											
		Transmissivity (m <sup>2</sup> /s)	2.94E-02	2.94E-02	2.94E-02																																																																																											
		Test Temp (C)	20.2																																																																																													
		Temp. Corr. Factor	0.999																																																																																													
											<b>14.2</b>																																																																																					
											<b>176.2</b>																																																																																					
											<b>2.94E-02</b>																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Hydraulic Gradient:</td> <td>0.07</td> <td>Volume (cc)</td> <td>6000</td> <td>6000</td> <td>6000</td> <td colspan="6"></td> </tr> <tr> <td>Test Length (in)</td> <td>12</td> <td>Time (s)</td> <td>8.3</td> <td>8.3</td> <td>8.3</td> <td colspan="6"></td> </tr> <tr> <td>Test Width (in)</td> <td>12</td> <td>Flow Rate (GPM/ft width)</td> <td>11.45</td> <td>11.45</td> <td>11.45</td> <td colspan="6"></td> </tr> <tr> <td>Seat Time, hrs</td> <td>0.25</td> <td>Flow Rate (LPM/m width)</td> <td>142.20</td> <td>142.20</td> <td>142.20</td> <td colspan="6"></td> </tr> <tr> <td colspan="2"></td> <td>Transmissivity (m<sup>2</sup>/s)</td> <td>3.39E-02</td> <td>3.39E-02</td> <td>3.39E-02</td> <td colspan="6"></td> </tr> <tr> <td colspan="2"></td> <td>Test Temp (C)</td> <td colspan="3">20.2</td> <td colspan="6"></td> </tr> <tr> <td colspan="2"></td> <td>Temp. Corr. Factor</td> <td colspan="3">0.999</td> <td colspan="6"></td> </tr> </table>													Hydraulic Gradient:	0.07	Volume (cc)	6000	6000	6000							Test Length (in)	12	Time (s)	8.3	8.3	8.3							Test Width (in)	12	Flow Rate (GPM/ft width)	11.45	11.45	11.45							Seat Time, hrs	0.25	Flow Rate (LPM/m width)	142.20	142.20	142.20									Transmissivity (m <sup>2</sup> /s)	3.39E-02	3.39E-02	3.39E-02									Test Temp (C)	20.2											Temp. Corr. Factor	0.999								
Hydraulic Gradient:	0.07	Volume (cc)	6000	6000	6000																																																																																											
Test Length (in)	12	Time (s)	8.3	8.3	8.3																																																																																											
Test Width (in)	12	Flow Rate (GPM/ft width)	11.45	11.45	11.45																																																																																											
Seat Time, hrs	0.25	Flow Rate (LPM/m width)	142.20	142.20	142.20																																																																																											
		Transmissivity (m <sup>2</sup> /s)	3.39E-02	3.39E-02	3.39E-02																																																																																											
		Test Temp (C)	20.2																																																																																													
		Temp. Corr. Factor	0.999																																																																																													
											<b>11.4</b>																																																																																					
											<b>142.2</b>																																																																																					
											<b>3.39E-02</b>																																																																																					

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



**GEOSYNTHETICS TEST RESULTS**

TRI Client: Airfield Systems

Project: Airdrain Project

Material: Airdrain

Sample Identification: C#00932

TRI Log #: 22857

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.		
	1	2	3	4	5	6	7	8	9	10				
Hydraulic Gradient:	0.03	Volume (cc)			6000	6000	6000							
Test Length (in)	12	Time (s)			14.2	14.1	14.1							
Test Width (in)	12	Flow Rate (GPM/ft width)			6.69	6.74	6.74						6.7	
Seat Time, hrs	0.25	Flow Rate (LPM/m width)			83.12	83.71	83.71						83.5	
		Transmissivity (m <sup>2</sup> /s)			4.62E-02	4.65E-02	4.65E-02						4.64E-02	
		Test Temp (C)			20.2									
		Temp. Corr. Factor			0.999									
Hydraulic Gradient:	0.01	Volume (cc)			6000	6000	6000							
Test Length (in)	12	Time (s)			32.1	32.0	31.8							
Test Width (in)	12	Flow Rate (GPM/ft width)			2.96	2.97	2.99						3.0	
Seat Time, hrs	0.25	Flow Rate (LPM/m width)			36.77	36.88	37.12						36.9	
		Transmissivity (m <sup>2</sup> /s)			6.13E-02	6.15E-02	6.19E-02						6.15E-02	
		Test Temp (C)			20.2									
		Temp. Corr. Factor			0.999									
Hydraulic Gradient:	0.005	Volume (cc)			2253	2255	2250							
Test Length (in)	12	Time (s)			20.0	20.0	20.0							
Test Width (in)	12	Flow Rate (GPM/ft width)			1.78	1.79	1.78						1.8	
Seat Time, hrs	0.25	Flow Rate (LPM/m width)			22.16	22.18	22.13						22.2	
		Transmissivity (m <sup>2</sup> /s)			7.39E-02	7.39E-02	7.38E-02						7.38E-02	
		Test Temp (C)			20.2									
		Temp. Corr. Factor			0.999									

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.