



18 February 2016

Thank you for consulting TRI Australasia (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **Reinforced Geomembrane**

TRI Log Number: A15-157

Material(s) Tested: Geomembrane(s)

Test(s) Requested: 3, Puncture Strength (ASTM D 4833)
3, Seam Strength (ASTM D6392 - Shear)

If you have any questions or require any additional information, please call us at (07) 5535 7227.



GEOMEMBRANE TEST RESULTS
TRI Client: Jaylon
Project: Reinforced Geomembrane

Material: Geomembrane(s)

TRI Log No.: A15-157

Sample Identification: Heritage Tanks ARMA Liner

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Puncture Resistance (ASTM D 4833)												
Puncture Strength (N)	1043	1019	1011	1006	1093	1037	1044	970	990	1038	1025	34
Seam Strength (ASTM D6392 - Peel & Shear) 500mm/min												
Shear Strength (N/mm)	64.2	66.9	47.9	54.3	51.4						57	8
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50							



GEOMEMBRANE TEST RESULTS

ACCREDITATION NO.: 19267

TRI Client: Jaylon

Project: Reinforced Geomembrane

Material: Geomembrane(s)

TRI Log No.: A15-157

Sample Identification: Rhino : Infinity Metallocene LLDPE Liner

PARAMETER	TEST REPLICATE NUMBER										STD.	
	1	2	3	4	5	6	7	8	9	10	MEAN	DEV.
Puncture Resistance (ASTM D 4833)												
Puncture Strength (N)	873	881	845	922	894	833	900	847	869	897	876	28
Seam Strength (ASTM D6392 - Peel & Shear) 500mm/min												
Shear Strength (N/mm)	38.7	43.8	40.3	40.8	41.8						41	2
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50							

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.



GEOMEMBRANE TEST RESULTS

ACCREDITATION No.: 19267

TRI Client: Jaylon

Project: Reinforced Geomembrane

Material: Geomembrane(s)

TRI Log No.: A15-157

Sample Identification: Pioneer Aqualiner

PARAMETER	TEST REPLICATE NUMBER										STD.	
	1	2	3	4	5	6	7	8	9	10	MEAN	DEV.
Puncture Resistance (ASTM D 4833)												
Puncture Strength (N)	739	770	725	735	771	717	768	772	817	794	761	32
Seam Strength (ASTM D6392 - Peel & Shear) 500mm/min												
Shear Strength (N/mm)	36.7	36.9	35.7	36.9	36.1						36	1
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50							

End of Report