

TEST REPORT

Test Report No: BRTL-SP-19-01		Date: 23.12.2019
Customer Name:	B.J Geo Textile Ltd.	
Address & Contact Details:	Joy Bangla Sarak, Kunia K.B Bazar, Gazipur, Bangladesh.	
Date of received Sample:	19.12.2019	
Test periods :	22.12.2019 to 23.12.2019	
Reference standards:	ISO-554 and ISO-9862	
Sample reference no: W- 90gm PVD (Composite Drain, Core, Filter).		
Number of Sample: 6pcs		
Samples Description: PVD(Composite Drain, Core, Filter) 6pcs sample size (L=1.00m,W=100MM,T=3.6mm)		

Composite Drain

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
1.	Mass per linear meter	g/m		94
2.	Thickness	mm	ASTM D5199	4.3
3.	Width	mm		102
4.	Tensile strength	kN	ASTM D4595	2.4
5.	Elongation at break	%	ASTM D4595	41.08
6.	Elongation at 0.5 kN	%	ASTM D4595	1

Core

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
7.	Thickness	mm	ASTM D5199	4.1
8.	Tensile strength	kN	ASTM D4595	1.6
9.	UV Spectroscopy	nm	Internal Method	273 (PP)

Filter

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
10.	Mass per unit area	g/m ²	ASTM D5261	93
11.	Tensile strength (Grab)	N	ASTM D4632	531.35
12.	Elongation at break	%	ASTM D4632	71.91
13.	UV Spectroscopy	nm	Internal Method	273 (PP)
14.	Trapezoidal tear strength	N	ASTM D4533	155.01
15.	Water Permittivity (Normal to the plane)	s ⁻¹	ASTM D4491	0.813



****End of the report****

****ISO/IEC 17025 Accredited Laboratory****

Sharmin Rahman
Technical Manager
BRTL, Dhaka.

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Sample conditioned and tested at temp. of 20±2° C and 65±5% RH wherever ISO/ASTM test methods adopted



TEST REPORT

Test Report No: BRTL-SP-19-02	Date: 23.12.2019
Customer Name:	B.J Geo Textile Ltd.
Address & Contact Details:	Joy Bangla Sarak, Kunia K.B Bazar, Gazipur, Bangladesh.
Date of received Sample:	19.12.2019
Test periods :	22.12.2019 to 23.12.2019
Reference standards:	ISO-554 and ISO-9862
Sample reference no: W- 124 gm PVD (Composite Drain, Core, Filter).	
Number of Sample: 5pcs	
Samples Description: PVD(Composite Drain, Core, Filter) 5pcs sample size (L=1.00m,W=100mm,T=4.5mm)	

Composite Drain

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
1.	Mass per linear meter	g/m		122
2.	Thickness	mm	ASTM D5199	5.2
3.	Width	mm		101
4.	Tensile strength	kN	ASTM D4595	2.89
5.	Elongation at break	%	ASTM D4595	40.73
6.	Elongation at 0.5 kN	%	ASTM D4595	1

Core

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
7.	Thickness	mm	ASTM D5199	5.1
8.	Tensile strength	kN	ASTM D4595	2.3
9.	UV Spectroscopy	nm	Internal Method	273 (PP)

Filter

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
10.	Mass per unit area	g/m ²	ASTM D5261	91
11.	Tensile strength (Grab)	N	ASTM D4632	509.20
12.	Elongation at break	%	ASTM D4632	67.05
13.	UV Spectroscopy	nm	Internal Method	273 (PP)
14.	Trapezoidal tear strength	N	ASTM D4533	159.89
15.	Water Permittivity (Normal to the plane)	s ⁻¹	ASTM D4491	0.8369



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TEST REPORT

Test Report No: BRTL-SP-19-03	Date: 23.12.2019
Customer Name:	B.J Geo Textile Ltd.
Address & Contact Details:	Joy Bangla Sarak, Kunia K.B Bazar, Gazipur, Bangladesh.
Date of received Sample:	19.12.2019
Test periods :	22.12.2019 to 23.12.2019
Reference standards:	ISO-554 and ISO-9862
Sample reference no: W- 100-101 gm PVD (Composite Drain, Core, Filter).	
Number of Sample: 5pcs	
Samples Description: PVD(Composite Drain, Core, Filter) 5pcs sample size (L=1.00m,W=100mm,T=4.0mm)	

Composite Drain

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
1.	Mass per linear meter	g/m		102
2.	Thickness	mm	ASTM D5199	4.4
3.	Width	mm		101
4.	Tensile strength	kN	ASTM D4595	2.7
5.	Elongation at break	%	ASTM D4595	41.50
6.	Elongation at 0.5 kN	%	ASTM D4595	1

Core

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
7.	Thickness	mm	ASTM D5199	4.2
8.	Tensile strength	kN	ASTM D4595	1.9
9.	UV Spectroscopy	nm	Internal Method	273 (PP)

Filter

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
10.	Mass per unit area	g/m ²	ASTM D5261	93
11.	Tensile strength (Grab)	N	ASTM D4632	550.03
12.	Elongation at break	%	ASTM D4632	63.01
13.	UV Spectroscopy	nm	Internal Method	273 (PP)
14.	Trapezoidal tear strength	N	ASTM D4533	149.48
15.	Water Permittivity (Normal to the plane)	s ⁻¹	ASTM D4491	0.8357



****End of the report****

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TEST REPORT

Test Report No: BRTL-SP-19-04		Date: 18.12.2019
Customer Name:	B.J Geo Textile Ltd.	
Address & Contact Details:	Joy Bangla Sarak, Kunia K.B Bazar, Gazipur, Bangladesh.	
Date of received Sample:	17.12.2019	
Test periods :	17.12.2019 to 18.12.2019	
Reference standards:	ISO-554 and ISO-9862	
Sample reference no: PVD W-110 (Composite Drain, Core, Filter).		
Number of Sample: 11pcs		
Samples Description: PVD (Composite Drain, Core, Filter) 11 pcs sample size(L=1.00m,W=4in,T=4mm)		

Composite Drain

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
1.	Mass per linear meter	g/m		111
2.	Thickness	mm	ASTM D5199	5.02
3.	Width	mm		101
4.	Tensile strength	kN	ASTM D4595	2.67
5.	Elongation at break	%	ASTM D4595	56.12
6.	Elongation at 0.5 kN	%	ASTM D4595	1.2

Core

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
7.	Thickness	mm	ASTM D5199	5.03
8.	Tensile strength	kN	ASTM D4595	1.69
9.	UV Spectroscopy	nm	Internal Method	273 (PP)

Filter

Sr. No.	Test Parameter	Unit	Test Method	Average Test Results
10.	Mass per unit area	g/m ²	ASTM D5261	92
11.	Tensile strength (Grab)	N	ASTM D4632	521.04
12.	Elongation at break	%	ASTM D4632	66.46
13.	UV Spectroscopy	nm	Internal Method	273 (PP)
14.	Trapezoidal tear strength	N	ASTM D4533	138.03
15.	Water Permittivity (Normal to the plane)	s ⁻¹	ASTM D4491	0.841



****End of the report****

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