



THE BOMBAY TEXTILE RESEARCH ASSOCIATION

(Approved Body of the Ministry of Textiles, Govt. of India)

Lal Bahadur Shastri Marg, Ghatkopar (West), Mumbai - 400 086.

Phones : 022 - 6202 3636 / 6202 3600

Fax : 91-22-2500 0459 Email : bitoffice@btraindia.com / info@btraindia.com

Website: www.btraindia.com

BTRA TEST LABORATORIES

TEST REPORT



Report Details : BTL/TR/B2305594/TT/2/A/2023	ULR No : TC694123000005594	Date : 22-09-2023
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CTM Technical Textiles Ltd

205, New Cloth Market, Outside Raipur Gate,

Ahmedabad

Pincode : 380002

Contact Person : Tapan Patel

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

Sample No	: B2305594-2	Product Description	: CTM/BT-461-L_Y/2003/R_P-2930/200/30
Received on	: 28-08-2023	Total Number of Samples in Order	: 5
Testing Period	: 28.08.2023 To 21.09.2023	Reference	: Letter dtd.22.8.2023
Despatched on	:	Sample Type	: TT
Project Name	:	Page	: 1 / 1

TEST RESULTS

(Single Rib) Tensile Strength & Elongation (ASTM D 6637 A-2015)

Test Parameter	Parameter
Tensile Strength (kN/m)	.
Machine Direction	205.5
Cross Machine Direction	30.1
Elongation @ designated load,(%)	.
Machine Direction @ 200 kN/m,%	12.6
Cross Machine Direction @ 30 kN/m,%	12.1

Weight per square meter (ASTM D 5261-2018)

Test Parameter	Result
Mass (g/m ²)	619.9

-- End of the Report --

Prasanta K. Panda
(Authorised Signatory)
Geotech



BTRA assures the customer that the results obtained will not be disclosed to the others without explicit permission from the customer • Labs activities falling under accredited scope in no way imply that the product so tested or equipment calibrated is approved by NABL • Samples are not drawn by the Laboratory • The test results relate only to the item tested • This report shall not be used for litigation or publicity • This report shall not be reproduced except in full without prior permission of this Laboratory.

BTRA/QF/5.10/01

Issue 01/Rev 02/ Date 15/7/2022

AVAIL SERVICES OF BTRA FOR TOTAL SOLUTIONS.

208262



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Despatched on	:	Sample Type	: TT
Project Name	:	Page	: 1 / 1

TEST RESULTS

Aperture Size & Number of ribs per metre (Inhouse Method)

Test Parameter	Result
Aperture Size (mm)	.
Machine Direction	21
Cross Machine Direction	26
No. of Ribs per meter	.
Machine Direction	24
Cross Machine Direction	42

-- End of the Report --

Prasanta K. Panda
(Authorised Signatory)
Geotech





Report Details : BTL/TR/B2305594/TT/1/A/2023	ULR No : TC694123000005594	Date : 22-09-2023
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Pincode : 380002

Contact Person : Tapan Patel

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

Sample No	: B2305594-1	Product Description	: CTM/BT-461-L_Y/1805/R_P-3063/180/30
Received on	: 28-08-2023	Total Number of Samples in Order	: 5
Testing Period	: 28.08.2023 To 21.09.2023	Reference	: Letter dtd.22.8.2023
Despatched on	:	Sample Type	: TT
Project Name	:	Page	: 1 / 1

TEST RESULTS

Tensile Strength & Elongation (ASTM D 6637 A-2015)

Test Parameter	Parameter
Tensile Strength (kN/m)	.
Machine Direction	181.0
Cross Machine Direction	30.1
Elongation @ designated load, (%)	.
Machine direction (@ 180 kn/mtr), %	14.4
Cross Machine Direction @ 30 kN/m,%	12.1

Weight per square meter (ASTM D 5261-2018)

Test Parameter	Result
Mass (g/m ²)	582.6

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Project Name	:	Page	: 1 / 1

TEST RESULTS

Aperture Size & Number of ribs per metre (Inhouse Method)

Test Parameter	Result
Aperture Size (mm)	.
Machine Direction	21
Cross Machine Direction	24
No. of Ribs per meter	.
Machine Direction	27
Cross Machine Direction	42

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BTRA TEST LABORATORIES

TEST REPORT



Report Details : BTL/TR/B2305594/TT/3/A/2023	ULR No : TC69412300005594	Date : 22-09-2023
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CTM Technical Textiles Ltd

205, New Cloth Market, Outside Raipur Gate,

Ahmedabad

Pincode : 380002

Contact Person : Tapan Patel

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

Sample No	: B2305594-3	Product Description	: CTM/BT-459-L_Y/1206/R_P-2688/120/30
Received on	: 28-08-2023	Total Number of Samples in Order	: 5
Testing Period	: 28.08.2023 To 21.09.2023	Reference	: Letter dtd.22.8.2023
Despatched on	:	Sample Type	: TT
Project Name	:	Page	: 1 / 1

TEST RESULTS

Tensile Strength & Elongation (ASTM D 6637 A-2015)

Test Parameter	Parameter
Tensile Strength (kN/m)	.
Machine Direction	125.6
Cross Machine Direction	30.2
Elongation @ designated load,(%)	.
Machine Direction @ 120 kN/m	13.7
Cross Machine Direction @ 30kN/m	12.5

Weight per square meter (ASTM D 5261-2018)

Test Parameter	Result
Mass (g/m ²)	414.9

-- End of the Report --

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Received on	: 28-08-2023	Total Number of Samples in Order	: 5
Testing Period	: 28.08.2023 To 21.09.2023	Reference	: Letter dtd.22.8.2023
Despatched on	:	Sample Type	: TT
Project Name	:	Page	: 1 / 1

TEST RESULTS

Aperture Size & Number of ribs per metre (Inhouse Method)

Test Parameter	Result
Aperture Size (mm)	.
Machine Direction	22
Cross Machine Direction	24
No. of Ribs per meter	.
Machine Direction	29
Cross Machine Direction	42

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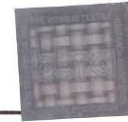
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TEST REPORT



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Sample No	: B2305594-4	Product Description	: CTM/BT-458-L_854/R_P-3098/80/30
Received on	: 28-08-2023	Total Number of Samples in Order	: 5
Testing Period	: 28.08.2023 To 21.09.2023	Reference	: Letter dtd.22.8.2023
Despatched on	:	Sample Type	: TT
Project Name	:	Page	: 1 / 1

TEST RESULTS

Tensile Strength & Elongation (ASTM D 6637 A-2015)

Test Parameter	Parameter
Tensile Strength (kN/m)	.
Machine Direction	90.1
Cross Machine Direction	28.6
Elongation @ designated load,(%)	.
Machine Direction @ 80 kN/m,(%)	11.5
Cross Machine Direction @ 30 kN/m,(%)	---

Weight per square meter (ASTM D 5261-2018)

Test Parameter	Result
Mass (g/m ²)	327.3

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Project Name	:	Page	: 1 / 1

TEST RESULTS

Aperture Size & Number of ribs per metre (Inhouse Method)

Test Parameter	Result
Aperture Size (mm)	.
Machine Direction	21
Cross Machine Direction	26
No. of Ribs per meter	.
Machine Direction	29
Cross Machine Direction	21

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Sample No	: B2305594-5	Product Description	: CTM/BT-457-L_441/R_D-2836/40/20
Received on	: 28-08-2023	Total Number of Samples in Order	: 5
Testing Period	: 28.08.2023 To 21.09.2023	Reference	: Letter dtd.22.8.2023
Despatched on	:	Sample Type	: TT
Project Name	:	Page	: 1 / 1

TEST RESULTS

Tensile Strength & Elongation (ASTM D 6637 A-2015)

Test Parameter	Parameter
Tensile Strength (kN/m)	.
Machine Direction	57.5
Cross Machine Direction	24.0
Elongation @ designated load, (%)	.
Machine direction @ (40 kN/m), %	4.70
Cross Machine direction @ (20 kN/m), %	9.61

Weight per square meter (ASTM D 5261-2018)

Test Parameter	Result
Mass (g/m ²)	184.6

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Project Name	:	Page	: 1 / 1

TEST RESULTS

Aperture Size & Number of ribs per metre (Inhouse Method)

Test Parameter	Result
Aperture Size (mm)	.
Machine Direction	23
Cross Machine Direction	33
No. of Ribs per meter	.
Machine Direction	43
Cross Machine Direction	21

-- End of the Report --

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