



TC-5889

WOOL RESEARCH ASSOCIATION

(Linked to Ministry of Textiles, Govt. of India)

P.O. Sandoz Baug, Kolshet Road Thane - 400 607 (Maharashtra), India.

Phone : (022) 25868109, 25868398

testing@wraindia.com (For Textile Lab), ecolab@wraindia.com (For Eco lab),

wra@wraindia.com



TEST REPORT

Representative Name: [REDACTED]	Test Report No: W/T/5042 2023-24
Company/Customer Name: [REDACTED]	ULR No : TC588922000005042F
Address & Contact Details: [REDACTED]	Test Report Date: 23.01.2024
	Lab Sample Code No.: TM-5517
Sample Description by Customer : Sample forwarding Letter No. & Date: NI:PP:0845 -:2023-24 dated 08.01.2024 Date of receipt of Sample: 17.01.2024 Number of Samples : One Date of Performance of test(s): 17.01.2024 to 23.01.2024	

Product Code: SR 11, Sample-I: Silicon Coated Fibre Glass Cloth

Summary of Test Report

Sr. No.	Test Parameters	Method Used	Unit	Result Obtained	Client Requirement
1	Base Fabric Material	AATCC 20/20A:2021 Using FTIR	%	100% Glass Fibre	100% Glass Fibre
2	Composition	AATCC 20/20A:2021 Using FTIR	--	Glass Fibre + Silicon coating	Glass Fibre + Silicon Coating
3	Weave	SP 45: 1988	--	Satin weave	Satin Weave
4	Fabric Weight (GSM)	ASTMD 3776/D3776M(Option C): 2020	g/m ²	525.25	500±10%
5	Thickness	ASTM D1777: 1996 Load: 12kpa	mm	0.40	0.4±10%
6	Thread Density Ends/inch Picks/inch	IS 1963 : 1981	Nos. Per inch	48 32	48±1 32±1
7	Tensile Strength Warpwise Weftwise	ASTM D5035: 2011	Kgf/cm	125.07 85.11	Warp: 55.37±10% Weft: 46.43±10%
8	Tensile Elongation Warpwise Weftwise	ASTM D5035: 2011	%	7.48 6.28	Warp: 5±10% Weft: 4±10%
9	Bursting Strength	ASTM D3786: 2018	kg/cm ²	46	42±10%
10	Tear Strength Warpwise Weftwise	ASTM D5587: 2015	kgf	37.02 34.09	Warp: 26.25±10% Weft: 26.25±10%
11	Temp Resistance @ Low Temp	ASTM D 1682 Temp -40 °C Time: 6 hours	--	No cracking No Delamination No hole formation observed	-65 TO +260
12	Temp Resistance@ High Temperature	ASTM D 1682 Temp: 260 °C Time: 2 hours	--	No melting, no dripping, no charring, no tearing observed. Backside slight colour change observed	-65 TO +260
13	Water Repellency (Spray Test)	AATCC 22:2017	Rating	100 (ISO 5)	--
14	Oil Repellence	AATCC 118 :2020	Rating	6.5	--

Seema Patel
Joint Director (T & A)
Textile Testing Lab
WRA, Thane

****ISO 17025:2017 NABL Accredited Laboratories****

Samples are not drawn WRA. The report shall not be reproduced except in full, without the approval of the laboratory. Results relates to the samples tested. The report is strictly confidential and for technical information of client only. Not for Advertisement, Promotion, Publicity or Litigation.
Please write Test Report Number and date for all future correspondence.



WOOL RESEARCH ASSOCIATION

(Linked to Ministry of Textiles, Govt. of India)

P.O. Sandoz Baug, Kolshet Road Thane - 400 607 (Maharashtra), India.

Phone : (022) 25868109, 25868398

testing@wraindia.com (For Textile Lab), ecolab@wraindia.com (For Eco lab),

wra@wraindia.com

TEST REPORT



Representative Name: [REDACTED]	Test Report No: W/T/5042 2023-24
Company/Customer Name: [REDACTED]	ULR No : TC588922000005042F
Address & Contact Details: [REDACTED]	Test Report Date: 23.01.2024
	Lab Sample Code No.: TM-5517
Sample Description by Customer : Sample forwarding Letter No. & Date: Date of receipt of Sample: Number of Samples : Date of Performance of test(s):	Product Code: SR 11, Sample-I: Silicon Coated Fibre Glass Cloth NI:PP:0845 -:2023-24 dated 08.01.2024 17.01.2024 One 17.01.2024 to 23.01.2024

Summary of Test Report

Flame Resistance

Testing Method: ASTM D 6413/D6413M: 2015

Pretreatment : No pretreatment before testing

Machine Direction-Lengthwise (As Received)

Specimen	Afterflame (Seconds)	Afterglow with in char Area (Seconds)	Char Length (mm)	Melting or Dripping (Yes/No)	Flaming Debris
1	0	0	Nil	No	No
2	0	0	Nil	No	No
3	0	0	Nil	No	No
4	0	0	Nil	No	No
5	0	0	Nil	No	No
Avg	0	0	Nil	--	--

Cross Direction- Widthwise (As Received)

1	0	0	Nil	No	No
2	0	0	Nil	No	No
3	0	0	Nil	No	No
4	0	0	Nil	No	No
5	0	0	Nil	No	No
Avg	0	0	Nil	No	No

PO No. : PCH-EXP-NAT-001

PROJECT: Sigma Industrial Solutions

Seema Patel
Joint Director (T & A)
Textile Testing Lab
WRA, Thane

****ISO 17025:2017 NABL Accredited Laboratories****

Samples are not drawn WRA. The report shall not be reproduced except in full, without the approval of the laboratory. Results relates to the samples tested. The report is strictly confidential and for technical information of client only. Not for Advertisement, Promotion, Publicity or Litigation.
Please write Test Report Number and date for all future correspondence.