



Test Report

Date : 2024-06-17
No. : ST24060187

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Applicant(Code:09304139): Shijiazhuang Qicai Knitling Co., Ltd
Opposite of Dongzhang Township Government, Yuanshi Shijiazhuang.
Hebei Province China

Description of Samples : One (1) piece of submitted sample(s) said to be
Polyester Mesh Fabric
Color: Beige

Date Samples Received : 2024-06-17

Date Tested : 2024-06-17 to 2024-06-17

Investigation Requested : Selected test(s) as detailed herein.

Remark: The results are adopted from the report of ST24060099 issued on 2024-06-17.

A black ink signature is written over a red circular stamp. The stamp contains the 'SE' logo and the text 'STC (SHANGHAI) COMPANY LIMITED' around the perimeter.

Steven, Li
Authorized Signatory

STC (Shanghai) Company Limited

No. 130 Huashen Road, Waigaoqiao Pilot Free Trade Zone, Shanghai, China. Zip Code: 200131

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Test Results:

1.Fiber Component

Test method: ISO/TR 11827:2012, ISO 1833-1:2020

Test Item	Result
Fiber Component	100% polyester

2. Tensile Strength

Test Method : ISO 13934-1:2013

<u>Direction</u>	<u>Tensile Strength (N)</u>
Warp	483.1
Weft	361.1

3. Tearing strength

Test Method: ISO 13937-2:2000

<u>Direction</u>	<u>Result (N)</u>
Lengthwise	20.1
Widthwise	15.8

4. Seam Strength

Test Method: ISO 13935-2:2014,

<u>Test direction</u>	<u>Seam strength (N)</u>	<u>Type of Failure</u>
//Warp Seam	354.1	FB
//Weft Seam	452.4	FTS

Type of Failure: FB - Fabric breakage
FTS – fabric torn at seam

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Test Results:

5. Mass per unit area

Test Method: ISO 3801:1977 Method 5

<u>Test Item</u>	Result(g/m ²)
Mass per unit area	101.5

6.Bursting strength

Test Method: ISO 13938-1:2019

Test Item	Result (kPa)
Bursting strength	1020

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Test Results:

7.1 Heavy Metals and Flame Retardants Content - European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS 2.0)

Method(s) Used: Refer to appendix

Maximum Allowable Limit	Type I	Metallic material: Lead (Pb): 1000mg/ kg, Cadmium (Cd): 100mg/ kg, Mercury (Hg): 1000mg/ kg, Chromium VI (Cr VI): Negative
	Type II	Glass or ceramic material: Lead (Pb): 1000mg/ kg, Cadmium (Cd): 100mg/ kg, Mercury (Hg): 1000mg/ kg, Chromium VI (Cr VI): 1000mg/ kg
	Type III	Other non-metallic material except Type II Lead (Pb): 1000mg/ kg, Cadmium (Cd): 100mg/ kg, Mercury (Hg): 1000mg/ kg, Chromium VI (Cr VI): 1000mg/ kg, PBBs: 1000mg/ kg, PBDEs: 1000mg/ kg

Type	Result (Khaki fabric) (mg/ kg)						Conclusion
	Pb	Cd	Hg	CrVI	PBBs	PBDEs	
III	ND	ND	ND	ND	ND	ND	Pass

Note(s):

- ND = Not detected
- mg/kg = milligram per kilogram = ppm = parts per million
- Detection Limit:
 - For Type I - Each (Pb, Cd & Hg) 10mg/ kg
 - For Type II - Each (Pb, Cd, Hg & Cr VI) 10mg/ kg
 - For Type III - Each (Pb, Cd, Hg & Cr VI) 10mg/ kg; Each PBBs 50mg/ kg; Each PBDEs 50mg/ kg

7.2 PHTHALATES CONTENT (DBP , BBP, DEHP and DIBP)

Method Used: CPSC-CH-C1001-09.4 and analyzed by Gas Chromatography with Mass Selective Detector

Substance Name	CAS No.	Result (%)	Limit(mg/kg)	Conclusion
Dibutyl phthalate (DBP)	84-74-2	ND	1000	Pass
Benzyl butyl phthalate (BBP)	85-68-7	ND	1000	Pass
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	ND	1000	Pass
Diisobutyl phthalate(DIBP)	84-69-5	ND	1000	Pass

Notes:

1. ND = Not detected
2. Method detection limit=1000 mg/kg

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Test Results:

<u>Conclusion</u>	
2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS 2.0)	Pass

APPENDIX

List of Analytes and their Corresponding Test Methods [European Council Directive 2011/65/EU] :		
<u>No.</u>	<u>Name of Analytes</u>	<u>Test Method(s)</u>
1	Lead (Pb)	With reference to IEC 62321-5 : 2015
2	Cadmium (Cd)	
3	Mercury (Hg)	With reference to IEC 62321-4 : 2013 +A1:2017
4	Chromium VI (Cr VI)	Metal : With reference to IEC 62321-7-1:2015. Polymers & Electronics With reference to IEC 62321-7-2:2017.
5	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	With reference to IEC 62321:2015, Appendix A
6	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	

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Test Results:

Sample Photo



***** End of Test Report *****

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