Asociación de Investigación de la Industria Textil – C.I.F.: G03182870

TEST REPORT

2024CN0982

DATE OF RECEPTION

Date Format: dd/MM/yyyy 19/08/2024

DATE OF TESTS

Starting : 04/09/2024

Ending: 12/09/2024

APPLICANT

KUNSHAN SUNSHINETEX NEW MATERIAL Co. Ltd.
No. 417 Sanxiang Road ndustry Zone
CN-215300 Kunshan
JIANGSU

China

REFERENCE OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2024CN0798-S01	POBFD3XY	Fabric

TESTS CARRIED OUT

- PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING
- ELECTROSTATIC PROPERTIES: INDUCTIVE CHARGING METHOD TO DETERMINE CHARGE DECAY

Tests marked with * are not included within the scope of the acreditation.

DESCRIPTION OF SAMPLES



Reference by AITEX: 2024CN0798-S01

Reference by customer:

POBFD3XY

AITEX sample description:

Fabric

Information supplied by the customer

0.8% Polyamide,32.9% cotton, 48.2% modacrylic, 18.1% polyester
Weight: 380gsm
Color: Grey/Navy/Black/HV-yellow/HV-orange

AITEX Subsamples	Subsample Description
2024CN0798-S01_P1	POBFD3XY Fabric After 5 cycles

EXECUTIVE SUMMARY

	Reference	Test/Standard	Result
EN 1149-5:2018	2024CN0798-S01_P1	ELECTROSTATIC PROPERTIES: INDUCTIVE CHARGING METHOD TO DETERMINE CHARGE DECAY **EN 1149-3:2004 Método 2**	PASS

REQUIREMENT SUMMARY

ELECTROSTATIC PROPERTIES: INDUCTIVE CHARGING METHOD TO DETERMINE CHARGE DECAY

REQUIREMENT ACCORDING EN 1149-5:2018

Requirements according to Standard EN 1149-5:2018 for the induction charge method according to the Standard EN 1149-3:2004 are:

t_{50}< 4s or S > 0,2

Where t_{50} = decay half time

S = shielding factor

RESULTS

PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

Standard

EN ISO 6330:2021

Test date

Start date 04/09/2024 **End date** 05/09/2024

Washing procedure

6N

Washing temperature

60ºC

Washing cycles

5

Dryer type

James Heal

Drying procedure

F (type A1 tumble drying)

Washing powder

Reference detergent 3

Reference

2024CN0798-S01

Units	Dry mass of the samples(Kg)	Counterweight mass*(Kg)*	Counterweight type	Equipment
1	1.8	0.2	Type III	WASCATOR
2	1.3	0.7	Type III	WASCATOR
3	1.75	0.25	Type III	WASCATOR
4	1.3	0.7	Type III	WASCATOR

The test was carried out at laboratory located at Carretera Banyeres 10 - 03802 Alcoi, Alicante

Reference	Description
2024CN0798-S01	POBFD3XY

RESULTS

ELECTROSTATIC PROPERTIES: INDUCTIVE CHARGING METHOD TO DETERMINE CHARGE DECAY

Standard

EN 1149-3:2004 Método 2

Testing Method

Induction charge (Test method 2).

Conditioned date

Start date 11/9/2024 **End date** 12/9/2024

Conditioning time

24 h. ambient conditions at (23 ± 1) ºC and (25 ± 5) % RH

Potential applied

(1200 ± 50) V in 30 µs *v*

Time measurement

30 s

Uncertainty

Shielding factor: ± 0,02 t50: ± 0,01 s

Reference

2024CN0798-S01_P1

Test date

Start date 11/09/2024 **End date** 12/09/2024

Atmosphere for testing

Temperature 23.2 ºC **Relative Humidity** 24.1 %

Specimen	Decay half time (s)	Shielding factor (units)
1	<0.01	0.8
2	<0.01	0.8
3	<0.01	0.8
Average	**<0.01**	**0.8**

Reference	Description
2024CN0798-S01_P1	POBFD3XY Fabric After 5 cycles

Lucia Martinez
Head of PPE and Ballistics department



Date: 30/09/2024 18:02:17
Digitally Signed by:LUCIA MARTINEZ MOLTO - NIF:21651425F

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16- The tests have been carried out at the Alcoy plant with the address described on the first page of the report, unless another location is indicated in the results sheet of the test.