TEST REPORT

2021CN0930

DATE OF RECEPTION
28/07/2021

DATE TESTS
Starting: 28/07/2021
Ending: 21/09/2021

APPLICANT

KUNSHAN SUNSHINETEX NEW MATERIAL CO. LTD.
No. 417 Sanxiang Road
CN-215300 Kunshan
JIANGSU

IDENTIFICATION AND DESCRIPTION OF SAMPLES

REFERENCES
FABRIC POBFC3DY-1

According to information supplied by the customer:

Fabric reference: POBFC3DY-1
Composition and percentage: 98% Polyester and 2% Carbon and 60% Protex and 40% Cotton
Color: Fluo Yellow / Fluo Orange

TESTS CARRIED OUT

- PHOTOGRAPHY.
- PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING.
- CHARGE DECAY.

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

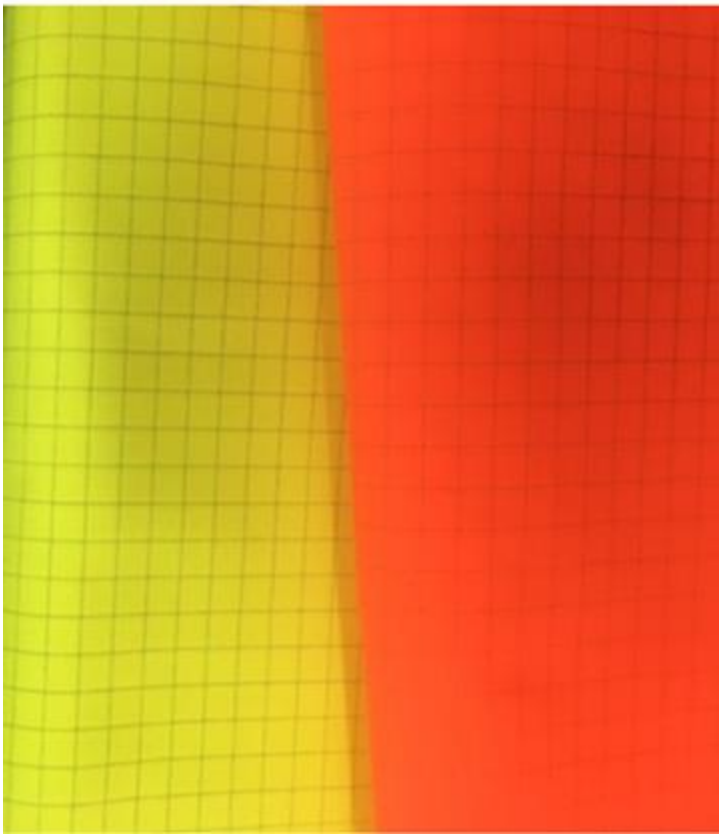
AITEX - Plaza Emilio Sala, 1 - E-03801 ALCOY (Alicante) SPAIN Tel.:+34 96 554 22 00 www.aitex.es info@aitex.es

*Tests marked with * are not included within the scope of the ENAC accreditation*

ENSAYOS Nº12/LE025 Nº12/LE427

RESULTS

PHOTOGRAPHY



Reference

Fabric POBFC3DY-1

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RESULTS

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

Standard
ISO 6330:2012

Standard deviation

Reference
Sample1 Fabric POBFC3DY-1

Units	1	2
Equipment	Wascator 13474E05	Wascator 13151E12
Dryer machine	JAMES HEAL 13475E05	ELECTROLUX 13426E12

Washing procedure 4N **Washing cycles** 5

Drying procedure
F (tumble dryer)

Washing powder
ECE detergent 98 + sodium perborate + TAED

Units	Dry mass of the samples	Counterweight mass	Equipment
1	0,950 Kg	1,000 Polyester	Wascator 13474E05
2	1,911 Kg		Wascator 13151E12

Start and finish date
11/08/2021 - 12/08/2021

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RESULTS

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

Standard
ISO 6330:2012

Standard deviation

Reference
Sample1 Fabric POBFC3DY-1

Units 1
Equipment Wascator 13370E12
Dryer machine ELECTROLUX 13426E12

Washing procedure 4N **Washing cycles** 5

Drying procedure
F (tumble dryer)

Washing powder
ECE detergent 98 + sodium perborate + TAED

Units	Dry mass of the samples		Counterweight mass	Equipment
1	0,020 Kg		1,900 Kg of Polyester	Wascator 13370E12

Start and finish date
11/08/2021 - 12/08/2021

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RESULTS

CHARGE DECAY

Standard
EN 1149-3:2004 (Method 2, induction charging)

Conditioned
24h environmental conditions to (23 ± 1) ºC and (25 ± 5) % RH

Ambient conditions test
23,0 ºC and 25,3 % RH

Test method used
Induction charge (Test method 2)

Potential applied
(1200 ± 50) V in 30 µs

Time measurement
30 s

Deviation from the Standard

Tested material
Fluorescent orange woven fabric and white knitted fabric.

Measurement uncertainty
Shielding factor: ± 0,02
t_{50}: ± 0,01 s

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RESULTS

Pre-Treatment

5 washing cycles at 40ºC, according to standard EN ISO 6330:2012, method 4N and type F drying (tumble dry)

Reference	Fabric POBFC3DY-1	
Specimen	**Decay half time (s)** t_{50}	**Shielding factor (units)** **S**
1	< 0,01	0,96
2	< 0,01	0,96
3	< 0,01	0,95
Average	**< 0,01**	**0,96**

ACCORDING TO STANDARD EN 1149-5:2018	**PASS**

ACCEPTANCE CRITERION ACCORDING TO EN 1149-3:2004 AND EN 1149-5:2018, METHOD INDUCTION CHARGING

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

Where, t_{50}= decay half time
S = shielding factor

Start and finish test date

12/08/2021 - 17/08/2021

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Lucia Martinez
Head of PPE and Ballistics department

Digitally signed by ISABEL LLOPIS LUMBRERAS - NIF:21678551Q
Date: 2021.10.21 17:20:09 +02:00
Reason: Autorizado
Location: Alcoy

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