mp UNIFORM

MEET STANDARDS

EN11611
Protective Clothing for use in welding and allied processes.

EN11612
Protective Clothing to protect Against heat and flame.

EN1149-5
Electrostatic properties part 5 Material performance and design requirements.

EN13034
Protection Clothing against liquid chemicals products, according to point 4, table 1.

EN61482-2
Protective Clothing against the the thermal hasard of an electric arc part 2: requirements.

061 8207777
064 5162565
LINE @mpuniform

aitex
textile research institute

ilac-MRA ENAC
ENSAYOS
Nº12/LE025
Nº12/LE427

CERTIFICATE OF TEST

Certificate of test nº **23CN0267**

AITEX declares that the articles:

"CFR260AS"

According to information supplied by the customer:
Fabric ref.- CFR260AS
Composition and percentage: 98% Cotton, 2% Anti-static
Weight: 260 gsm

Given by the company:

Xinxiang Zhuocheng Special Textile Co. Ltd

23F, A.D.International Building, Jinsui Avenue
CN-453000
XINXIANG (Henan)

Complies with the requirements of the standard/s:

EN ISO 11611:2015. PROTECTIVE CLOTHING FOR USE WELDING AND ALLIED PROCESSES.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2	Tensile strength after 5 washing cycles	Warp: 1300 N	Weft: 480 N	≥ 400 N	2023CN0266
Clause 6.3	Tear strength after 5 washing cycles	Warp: 19,4 N	Weft: 20,6 N	≥ 15 N	2023CN0266
Clause 6.7	Limited flame spread as received and after 5 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2023CN0266
	Limited flame spread as received and after 5 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2023CN0266
Clause 6.6	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: 0,0 %	≤ ± 3%	2023CN0266
Clause 6.8	Small splashes of molten metal after 5 washing cycles	Class 1 20 drops		Class 1 15 ≤ drops < 25	2023CN0266
Clause 6.9	Radiant heat after 5 washing cycles	Class 1 RHTI^{24}: 14,2 s		Class 1 7 ≤ RHTI^{24} < 16	2023CN0266
Clause 6.10	Electrical insulation after 5 washing cycles	$7{,}47 \cdot 10^6\ \Omega$		$> 10^5\ \Omega$	2023CN0266

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 6N and F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2023CN0266

Issued by AITEX on: 15/05/2023.

This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX. This document is a test summary and does not imply a product certification.

Signed by: Raquel Muñoz González
Manager Innovation Area

Firmado digitalmente por ISABEL|LLOPIS|LUMBRERAS
Fecha: 2023.05.17 10:58:32 +02'00'

certificate

aitex®
textile research institute

ilac-MRA ENAC ENSAYOS Nº12/LE025 Nº12/LE427

CERTIFICATE OF TEST

Certificate of test nº **23CN0267**

AITEX declares that the articles:

"CFR260AS"

According to information supplied by the customer:
Fabric ref.- CFR260AS
Composition and percentage: 98% Cotton, 2% Anti-static
Weight: 260 gsm

Given by the company:

Xinxiang Zhuocheng Special Textile Co. Ltd

23F, A.D.International Building, Jinsui Avenue
CN-453000
XINXIANG (Henan)

Complies with the requirements of the standard/s:

EN ISO 11612:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2.1	Heat resistance (180)ºC after 5 washing cycles	Warp: -1,0 %	Weft: -0,3 %	No ignite, no melt and no shrink by more than 5%	2023CN0266
Clause 6.3	Limited flame spread as received and after 5 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2023CN0266
	Limited flame spread as received and after 5 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2023CN0266
Clause 6.4	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: 0,0 %	≤ ± 3%	2023CN0266
Clause 6.5.1	Tensile strength after 5 washing cycles	Warp: 1300 N	Weft: 480 N	≥ 300 N	2023CN0266
Clause 6.5.2	Tear strength after 5 washing cycles	Warp: 19,4 N	Weft: 20,6 N	≥ 10 N	2023CN0266
Clause 7.2	Convective heat after 5 washing cycles	Level B1 HTI^3 24: 5,7 s		Level B1 4 ≤ RHTI^3 24 < 10	2023CN0266
Clause 7.3	Radiant heat after 5 washing cycles	Level C1 RHTI^3 24: 14,2 s		Level C1 7 ≤ RHTI^3 24 < 20	2023CN0266
Clause 7.5	Molten iron splash after 5 washing cycles	Level E3 202 g		Level E3 ≥ 200 g	2023CN0266
Clause 7.6	Contact heat after 5 washing cycles	Level F1 t_1: 7,7 s		Level F1 5 ≤ t_1 < 10	2023CN0266

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 6N and F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2023CN0266

Issued by AITEX on: 15/05/2023.

This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.
This document is a test summary and does not imply a product certification.

Signed by: Raquel Muñoz González
Manager Innovation Area

Firmado digitalmente por ISABEL|LLOPIS|LUMBRERAS
Fecha: 2023.05.17 10:58:19 +02'00'

certificate

aitex
textile research institute

ilac-MRA ENAC
ENSAYOS
Nº12/LE025
Nº12/LE427

CERTIFICATE OF TEST

Certificate of test nº **23CN0267**

AITEX declares that the articles:

"CFR260AS"

According to information supplied by the customer:
Fabric ref.- CFR260AS
Composition and percentage: 98% Cotton, 2% Anti-static
Weight: 260 gsm

Given by the company:

Xinxiang Zhuocheng Special Textile Co. Ltd

23F, A.D.International Building, Jinsui Avenue
CN-453000
XINXIANG (Henan)

Complies with the requirements of the standard/s:

EN 13034:2005+A1:2009 PROTECTION CLOTHING AGAINST LIQUID CHEMICALS PRODUCTS, ACCORDING TO POINT 4, TABLE 1:

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 4.4 EN 14325:2004	Abrasion resistance after 5 washing cycles	Class 6 n > 2000 cycles		Class 6 n > 2000 cycles	2023CN0266
Clause 4.7 EN 14325:2004	Determination of tear resistance after 5 washing cycles	Class 2 Warp: 47,1 N / Weft: 25,0 N		Class 2 20 N < n ≤ 40 N	2023CN0266
Clause 4.9 EN 14325:2004	Determination of tensile strength after 5 washing cycles	Class 4 Warp: 1300 N / Weft: 480 N		Class 4 250 N < N ≤ 500 N	2023CN0266
Clause 4.10 EN 14325:2004	Puncture resistance after 5 washing cycles	Class 2 45,95 N		Class 2 10 N < n ≤ 50 N	2023CN0266
Clause 4.12 EN 14325:2004	Repellency to liquids after 5 washing cycles	Class 3 H_2SO_4 (30 %): 97,5 %	Class 3 NaOH (10 %): 97,6 %	Class 3 > 95% Class 2 > 90% Class 1 > 80%	2023CN0266
Clause 4.13 EN 14325:2004	Resistance to penetration to liquids after 5 washing cycles	Class 3 H_2SO_4 (30%): 0,1%	Class 3 NaOH (10 %): 0,3 %	Class 3 < 1% Class 2 < 5% Class 1 < 10%	2023CN0266

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 6N and F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2023CN0266

Issued by AITEX on: 15/05/2023.

This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX. This document is a test summary and does not imply a product certification.

Signed by: Raquel Muñoz González
Manager Innovation Area

Firmado digitalmente por ISABEL|LLOPIS|LUMBRERAS
Fecha: 2023.05.17 10:58:58 +02'00'

certificate

aitex
textile research institute

ilac-MRA ENAC
ENSAYOS
Nº12/LE025
Nº12/LE427

CERTIFICATE OF TEST

23CN0267

AITEX declares that the articles:

"CFR260AS"

According to information supplied by the customer:
Fabric ref.- CFR260AS
Composition and percentage: 98% Cotton, 2% Anti-static
Weight: 260 gsm

Given by the company:

Xinxiang Zhuocheng Special Textile Co. Ltd

23F, A.D.International Building, Jinsui Avenue
CN-453000
XINXIANG (Henan)

Complies with the requirements of the standard/s:

EN 61482-2:2020. PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC. PART 2: REQUERIMENTS.

	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 4.3.1	Heat resistance (180)ºC after 5 washing cycles	Warp: -1,0 %	Weft: -0,3 %	No ignite, no melt and no shrink by more than 5%	2023CN0266
Clause 4.3.1	Volume resistance after 5 washing cycles	8,61 ·10^7 Ω		> 10^5 Ω	2023CN0266
Clause 4.3.3	Limited flame spread after 5 washing cycles (Procedure A)	PASS		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2023CN0266
Clause 4.3.4.1	Tensile strength after 5 washing cycles	Warp: 1300 N	Weft: 480 N	≥ 400 N	2023CN0266
Clause 4.3.4.2	Tear strength after 5 washing cycles	Warp: 19,4 N	Weft: 20,6 N	≥ 15 N	2023CN0266
Clause 4.3.5	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: 0,0 %	≤ ± 3%	2023CN0266
Clause 4.4.3	Arc protection classes after 5 washing cycles	APC 1		APC 1	2023CN0266

EN 1149-5:2018. PROTECTIVE CLOTHING. ELECTROSTATIC PROPERTIES. PART 5 MATERIAL PERFORMANCE AND DESIGN REQUIREMENTS.

	TEST	RESULTS	REQUIREMENTS	REPORT No.
EN 1149-3:2004	Charge Decay test (Method 2) after 5 washing cycles	S = 0,8 T_{50} < 0,01	S > 0,2 or t50 < 4 s	2023CN0266

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 6N and F drying (type A1 tumble drying).

The test results above indicated are shown in the testing report:

2023CN0266

Issued by AITEX on: 15/05/2023.

This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.
This document is a test summary and does not imply a product certification.

Signed by: Raquel Muñoz González
Manager Innovation Area

Firmado digitalmente por ISABEL|LLOPIS|LUMBRERAS
Fecha: 2023.05.17 10:58:44 +02'00'

certificate