Apparel Supply solutions ltd.
WorkLab
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CAT III

0161

EN ISO 13688:2013
EN 340:2003

3

EN ISO 20471:2013/ A1:2016

EN ISO 11612:2015
A1 B2 C1 F1

EN 343:2019

4
4
X

EN 13034:2005+A1:2009

Type 6

EN 1149-5:2018

EN ISO 11611:2015 **APC= 2**

Class 2 A1

IEC 61482-2:2018

JACKET DPI MOL 918-1, TROUSER DPI MOL 511-1

This product has been manufactured in compliance with Regulation EU 2016/425 for basic use, with EN 340:2003 (Protective Clothing General requirement), EN ISO 13688:2013 (Protective Clothing, General Requirements), EN ISO 20471:2013/A1:2016 (requirements for high-visibility daytime and night time garements), EN ISO 11611:2015 (Protective clothing for welding processes), EN ISO 11612:2015 (Heat and flame protective wear), EN 343:2019(Protective Clothing against rain, fog and moist soil), EN 13034:2005+A1:2009 (Protective wear against quimic liquids limited use wich apply), EN 1149-5:2018 (Antistatic protective wear) and IEC 61482-2:2018 protection against heat hazard of an arc flash, in compliance with EN 61482-1-2:2014, in compliance with certificate **nº 20/3093/00/0161 by AITEX**, Plaza Emilio Sala nº 1, Alcoi, Spain, Notified Body 0161

Recommendations for use:
The PPE is manufactured in a woven material in h.v. yellow/blue color with a composition of 100% polyester with PTFE Membrane and weight of 230 g/m² lining with a composition of 50% FR Viscose, 50% Aramid with a weight of 120 gr/m²
Designed for use in industrial activities where the wearer is exposed to:

- Brief contact with an open flame.
- Convected heat of less than 80 kW/m².
- Sources of radiant heat of less than 20 kW/m².
- Contact with splashes of molten metal.
- Contact with hot surfaces of 250ºC.
- Small splashes of molten metal during soldering and joining techniques, minimising the risk of small electric shocks and accidental contact with electrical contacts of voltages up to 100v DC under normal soldering conditions.
- The use of additional protection such as gloves, hoods etc. may be necessary.
- When using additional protection, it must be of at least class 1 according to standard IEC 61482-2
- The correct performance of the garment requires it to be correctly fastened at all times.
- For full-body protection, the PPE must be worn fully-fastened and accompanied by other appropriate protective gear such as clothing that protects the hips and lower extremities from the same risks as that of the PPE, a helmet with face-screen, protective gloves and boots.
- The person wearing the electrostatic dissipative protective clothing shall be properly earther. Theresistance between the person's skin and earth shall be less tan $10^8\Omega$.
- Electrostatic dissipative protective clothing is intended to be worn in Zones 1, 2 , 20, 21 and 22 in which the mínimum ignition energy of any explosive atmosphere is not less tan 0.016 mJ.
- Electrostatic dissipative protective clothing shall not be used in oxygen enriched atmospheres, or in Zone 0 without prior approval of the responsable safety engineer
- The garment protects from heat hazard experienced by a wearer at a distance of 300 mm from an arc flash produced by a current of 7kA between 2 electrodes spaced 30 mm apart.
- The environmental conditions and risks associated with the operator's surroundings must be considered.
- For correct performance, the garment must be correctly adjusted.

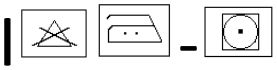
Recommendations against improper use:

- This PPE must not be used against risks other than those previously described.
- Dirt and molten metal adhering to the garment may affect its performance.
- Never remove the garment when in an explosive or flammable environment or when handling explosive or flammable material.
- An increase in the oxygen content in the air may considerably reduce the level of protection offered by the PPE.
- The electrical insulation capability of the PPE may be seriously affected by damp, dirt or when soaked with perspiration.
- When the PPE comprises two pieces, the wearer must wear both pieces to achieve the stated level of protection.
- This PPE is not designed to protect the head, legs, feet or hands.
- The PPE must not be used with other clothing below, which is not fireproof or made of material which can melt.
- Any tears must not be repaired by the user. A flammable yarn or one which can melt may be extremely dangerous in the case of explosion or fire.
- Clothing made of polyamide, polyester or acrylic fibres, such as t-shirts and underwear, must not be worn under the PPE as they may melt in an arc flash.

Declaration of conformity is available to download at www.cbfbalducci.com

NB: the PPE must be worn with another which covers the lower limbs and protects them against the same hazard as this PPE has been designed for.

Washing instructions:



- Do not wash above 60ºC
- Do not bleach.
- Iron at 150ºC.
- Dry-cleaning not allowed
- Tumble-dry at reduced temperature.

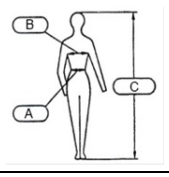
Storage: Keep the garment away from unnecessary exposure to sunlight, in dry places and protected against any aggressive agents.
Packaging: Plastic bag.
The garment has a useful life of 2 years.
Year of manufacture: 2020

The maximum number of washes specified is not the only factor that determines the life of the garment. Useful life also depends on the use of the PPE, maintenance, storage, etc.

SIZE	A	B	C
XS	66/74	74/82	148/154
S	74/82	82/90	154/162
M	82/90	90/98	162/170
L	90/98	98/106	170/178
XL	98/106	106/114	178/186
XXL	106/117	114/123	178/186
XXXL	117/128	123/133	186/194

SIZES

A - WAIST MEASUREMENT
B – CHEST MEASUREMENT
C - TOTAL HEIGHT OF THE USER



Performance levels in accordance with EN ISO 20471:2013/A1:2016

Material	Clothing Class 3	Clothing Class 2	Clothing Class 1
Background material	0.80 m²	0.50 m²	0.14 m²
Retro-reflective material	0.20 m²	0.13 m²	0.10 m²
Combined material	---	---	0.20 m²

Note: the class of the garment is determined by the minimum area of material visible

Levels of protection in compliance with EN ISO 11612:2015:

Limited flame propagation: **A1**
There is no destruction to the edges.
There is no perforation.
There is no melting.
Time of post-incandescence ≤ 2 s.
Time of post-combustion ≤ 2 s.

Convected heat: **B2**

Performance level	Intervals between values HTI^a24	
	Min.	Max.
B1	4	< 10
B2	10	< 2
B3	≥ 0	

Radiant heat: **C1**

Performance level	Average time to reach RHTI^a 24	
	Min.	Max.
C1	7	< 20
C2	20	< 5
C3	50	< 95
C4	≥ 95	

Heat by contact: F1

Per ormance level	Th eshold ti e (s)	
	Min.	Max.
F1	5	< 10
F2	10	< 150
F3	≥ 15	

Performance levels in compliance with EN ISO 11611:2015:
Limited flame propagation: **A1,**
There is no destruction to the edges.
There is no perforation.
There is no melting.
Time of post-incandescence ≤ 2 s.
Time of post-combustion ≤ 2 s.

Radiant heat: CLASS 2

class 1	RHTI24 ≥ 7s,
class 2	RHTI24 ≥ 16s

Small splashes of molten metal: CLASS 2

class 1	15 ≤Drop < 25
clas 2	25 ≤Drops

Performance levels EN 343:2019
Upper number: 4 Resistance to water penetration

CLASS 1	CLASS 2	CLASS 3	CLASS 4
≥ 8000 Pa (Without pre-treatment)	≥ 8000 Pa (After pre-treatment)	≥ 13000 Pa (After pre-treatment)	≥ 20000 Pa (Seams After pre-treatment)

Lower number: 4 Resistance to water vapour m²Pa/W

CLASS 1	CLASS 2	CLASS 3	CLASS 4
R_{et} > 40	25< R_{et} ≤ 40	15< R_{et} ≤ 25	R_{et} ≤ 15

Levels of protection in compliance with EN 13034:2005+A1:2009

Abrasion resistance: Level 6

Level	1	2	3	4	5	6
Cycles	> 10	> 100	> 500	> 1000	>1500	> 2000

Tear resistance: Level 3

Level	1	2	3	4	5	6
N	> 10	> 20	> 40	> 60	>100	> 150

Tensile strength: Level 5

Level	1	2	3	4	5	6
N	> 30	> 60	> 100	> 250	>500	> 1000

Puncture resistance: Level 2

Level	1	2	3	4	5	6
N	> 5	> 10	> 50	> 100	>150	> 250

Seam strength: Level 5

Level	1	2	3	4	5	6
N	> 30	> 50	> 75	> 125	>300	> 500

Liquid repellency: Level 3 H2SO4 (30%), NaOH (10%) and 1-butanol, level 2 O-xylene

Level	1	2	3
Repellency index (%)	> 80	> 90	> 95

Resistance to penetration by liquids: : Level 3 H2SO4 (30%), NaOH (10%), 1-butanol, O-xylene

Level	1	2	3
Penetration index (%)	> 10	> 5	> 1

Resistance to the accumulation of electrostatic charge in compliance with EN 1149-3:2004

S > 0.2 or t_{50} < 4s

Performance levels in compliance withEN 61482-1:2018

APC =2 (7kA)