



USER INFORMATION SHEET
THESE INFORMATION MUST BE GIVEN & READ BY
THE END USER OF THIS PERSONAL PROTECTIVE GARMENT
FLASHON TROUSER

Manufacturer AIBA SINGAPORE PTE.
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Reference FLASHON JACKET & TROUSER

Size designation In accordance with the EN13688:2013
A=Height (cm)
B=Chest (cm) indicated for coverall
C=Waist (cm) indicated for coverall

Composition Navy 78% Cotton, 20% Polyester, 02% Antistatic- 300 GSM (± 5%)
HV Yellow- 75% Cotton: 24% Polyester. 01% Antistatic- 290 GSM (±5%)

Performance EN ISO 11612:2015
Protective clothing for workers exposed to heat and flames (not including welders and firefighters) with performances:

A1: Limited Flame spread (Surface Ignition) B1: Convective heat resistance
C1: Radiant heat resistance E1: Molten Iron splash F1: Contact Heat



Performance Level	Range of HTI 224 Values (s)		Performance Level	Range transfer factor RHTI 224 (s)		Performance Level	Molten Iron Splash (g)		Performance Level	Threshold Time (sec)	
	Min.	Max.		Min.	Max.		Min.	Max.		Min.	Max.
B1	4,0	< 10	C1	7,0	< 20	E1	60	<120	F1	5	< 10
B2	10	< 20	C2	20	< 50	E2	120	<200	F2	10	< 15
B3	20		C3	50	< 95	E3	200		F3	15	
			C4	95							

EN 11611:2015 Class 1 – A1
Protective Clothing for use in welding and allied process

EN 1149-5:2018
Protective clothing – Electrostatic properties Part 5

IEC 61482-2: 2018 APC=1-4KA
Protective clothing against the thermal hazards of an electric arc

Test class	Test current (kA)	Test voltage (V dc)	Arc duration (ms)
Class 1	4.5%	400.5%	500.5%
Class 2	7.5%	400.5%	500.5%

EN 13034:2005+A1:2009
Protective against Liquid chemicals.
Type 6- Jacket & Trousers as a set

EN 20471:2013/A1:2016- Class 3
Hi-Visibility Warning Clothing

EN 14404 :2004+A1:2010 Type 2 Level- 0
Knee Protectors for work in a kneeling position

Wash care instructions

- Wash at 60°C; do not use detergents containing soap or chlorine.
- Do not bleach, do not use acids when rinsing.
- Iron at low setting.
- Use dry cleaning agent other than Trichloroethylene.
- Tumble dry allowed.



Care Instructions:

- Protective garments should be cleaned regularly, as per recommended instructions.
- Wash all garments after fixing all closure systems.
- Strictly wash garments inside out.
- Always wash your Flame Retardant PPE separately to avoid some migration of flammable loose fibers or components.
- Please make sure that garments are properly rinsed after wash.
- Do not dry in direct sunlight as this may cause color to fade.
- After cleaning the garment, please inspect before re-use
- Please iron the garment after each wash /dry cycle for better Chemical Repellency Performance.

Important:

- These garments are suitable when worn for up to 8 hours at an ambient temperature.
- Dirty clothing may lead to a reduction in protection.
- Nonconforming garments to EN 11612/ EN 11611/ EN 1149/ EN 61482/ EN 13034/ EN 20471/ EN 14404 when worn over these garments eliminate the effectiveness of the garment.
- Type-6 chemical suit has been tested to the whole suit test.

Obsolescence

- Proper wash care instructions have to be followed for optimum life of the garments.

Storage

- Importance should be placed on ensuring garments are not subjected to damp storage conditions and under direct sunlight, as direct sunlight may cause the color to fade.
- Garment, if unused for 1 year should be washed as per the care instruction before use.

Repairs

Incorrect repairs will adversely affect protection and may therefore reduce this garment's protection below the minimum requirements, to which it was manufactured.

- Ensure that the garment is repaired with fabric of the specified type only.
- All accessories are to be replaced using the specified product.
- Effort must be made to reduce thread exposure where patching is applied on the fabric.
- Guidance for repairs can be addressed to the manufacturer who will advise as to the correct methods.
The manufacturer may request the return of the garment in order that they can evaluate and repair the garment suitably.

Recommendations

- Limited flame spread properties will be reduced if contaminated with flammable liquids.
- These garments are not intended to provide protection against large splashes of molten metal.
- Garments if worn next to skin may not eliminate all risk of burns.
- These garments can only protect where it covers the body, additional partial body protection may be required
- Nonconforming garments to EN 11612/ EN 11611/ EN 1149/ EN 61482/ EN 13034/ EN 20471/ EN 14404 when worn over these garments eliminates the effectiveness of these garments.
- Workers wearing electrostatic dissipative protective clothing should be properly earthed (via electrostatic dissipative footwear meeting EN 344 or EN 345 or by other suitable means).
- No modification of this garment e.g. adding logos is allowed after EU Type Approval
- Not all welding voltage carrying parts of arc welding installations can be protected against direct contact
- Additional partial body protection may be required e.g. for welding overhead
- The garment is only intended to protect against brief inadvertent contact with live parts of an arc welding circuit and that additional electrical insulation layers will be required where there is an increased risk of electric shock.
- During welding operations the wearer is suggested to cover the front body at least from side seam to side seam.
- The level of protection against flame will be reduced if the welder's protective clothing is contaminated with flammable materials.
- An increase in the oxygen content of the air will reduce considerably the protection of the welder's protective clothing against flame. Care should be taken when welding in confined spaces e.g. it is possible that the atmosphere may become enriched with oxygen.
- The electrostatic dissipative protective clothing shall not be open or removed whilst in the presence of flammable or explosive atmosphere or whilst handling flammable or explosive substances.
- The electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination
- The electrostatic dissipative protective clothing shall not be used in oxygen enriched atmospheres without prior of the responsible safety engineer.
- The electrostatic protection provided by the garment will be reduced when it is wet, dirty or soaked with sweat.
- In case of a two piece protective garment, both the items should be worn together to provide the specified level of protection.
- Electrostatic dissipative protective clothing is intended to be worn in Zones 1, 2, 20, 21 and 22 (see EN 60079-10-1 (8)) in which the minimum ignition energy of any explosive atmosphere is not less than 0.010Jm³.
- Electrostatic dissipative protective clothing shall not be used in oxygen enriched atmosphere, or in Zone 0 (see EN 60079-10-1 (7)) without prior approval of the responsible safety engineer.
- Electrostatic dissipative protective clothing shall be worn in such a way that it permanently covers all non-complying during normal use (including bending movements)
- PPE garment cover lower limbs

Declaration:

The requirements regarding the design and the production of this Personal Protective Equipment had been observed in accordance with appendix II Regulation (EU) 2016/425 and the relevant harmonised standard

**Jacket & Trousers should be sold together to achieve EN ISO 20471:2013/A1:2016 Class 3 and EN 13034:2005+A1:2009 Type 6

User Life – 5 year from the date of manufacture
Manufacture Year 2021

UI Sheet – Flashon Trousers