

Dromex



ARC FLASH BALACLAVA



DW-ARC9.9-BAL-S



DW-ARC31-BAL-DBL

Description

Dromex® A.P.T™ single and double layer balaclavas are made from Dromex® A.P.T™ 88/12 FR (flame retardant) interlock stretch fabric, which provides dependable, neck, face and head protection against the hazards of an arc flash incident.

The Dromex® balaclava helps minimize break open and expands to form a stable and inert barrier between the arc flash, fire and skin. This gives exposed workers the valuable seconds and protection they need to escape from the hazard.

The Arc balaclava is an ideal protective layer that has been designed for fit and comfort. It is lightweight with high cotton content which improves breathability.

These balaclavas are suitable for use in conjunction with an arc face shield while working on energized equipment, along with other PPE (personal protective equipment) used widely in the petrochemical, arc flash safety and utility industries.

Special Instructions

Note: For electric arc exposures, wear the correct number of flame resistant clothing layers as advised by an electric arc hazard analyst.

In potentially explosive environments, proper grounding procedures must be used for protection against electrostatic spark ignition.

Do not put on or remove garments when in a potentially explosive environment.

None of the materials or processes used in the manufacture of these products are known to be harmful to the wearer.

The manufacturer has examined under the system for ensuring quality of production by means of monitoring and inspection.

These Arc flash balaclavas are designed to accommodate the basic safety requirements and standards for Personal Protective Equipment. The information contained herein is intended to assist the wearer in the selection of Personal Protective Equipment. Actual conditions of use cannot be directly simulated in a test environment therefore it is the responsibility of the end user and not the manufacturer or supplier to determine the arc flash suitability for the intended use. Arc flash protective balaclavas should be thoroughly inspected before use to ensure no damage is present.

Compliance & Conformity

- Complies to marking SANS 724, Personal Protective Equipment and protective clothing against the thermal hazards of an electric arc.
- IEC 61482-1-1 - Live working - Protective clothing against the thermal hazards of an electric arc - Open Arc Test Method. It determines the Arc Thermal Protection Value (ATPV level) of the garment. The basic principle is that the ATPV of the garment must be higher than the Arc Flash energy.
- IEC 61482-1-2, Live working - Protective clothing against the thermal hazards of an electric arc - Box Test Method. It determines the Arc Protection Class Rating of the material or garment by using a constrained and directed arc:
- EN 61482-1-2:2014 - LIVE WORKING - PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC - PART 1-2: TEST METHODS - METHOD 2: DETERMINATION OF ARC PROTECTION CLASS OF MATERIAL AND CLOTHING BY USING A CONSTRAINED AND DIRECTED ARC (BOX TEST (IEC 61482-1-2:2014).
- NFPA 2112 - Standard on flame resistant clothing for protection of industrial personnel against short duration thermal exposures from fire.
- NFPA 70E - Standard for electrical safety clothing for employees.
- ASTM F1959, Standard Test Method for Determining the Arc Rating of Materials for Clothing.
- ASTM F2621-12, Standard Practice for Determining Response Characteristics and Design Integrity of Arc Rated Finished Products in an Electric Arc Exposure.
- EN 11611:2015, Protective clothing for use in welding and allied processes.
- EN 11612:2015 Protective clothing -- Clothing to protect against heat and flame -- Minimum performance requirements.

Specification

The arc balaclavas are available in single layer and double layer styles.

DW-ARC9.9-BAL-S: Single layer.

DW-ARC31-BAL-DBL: Double layer.

Mass: 203gsm - Single layer.
406gsm - Double layer.

Composition: 88% Cotton/12% Nylon FR.

Colour: Navy Blue.

Packaging, Storage & Obsolescence

DW-ARC9.9-BAL-S and DW-ARC31-BAL-DBL are packed individually and sold as 10 units per carton.

Inspect all Arc PPE prior to use and do not use garments that are damaged

(such as tears or burn holes) or dirty as the level of protection may be reduced.

The level of protection may also be reduced if you do not carefully follow the wash care instructions on the label.

If exposed to an Arc Flash incident, the garment must be replaced immediately.



Cleaning & Maintenance

This fabric can be cleaned by home cleaning or commercial laundering provided that the recommended conditions and settings are adhered to. If home procedures do not remove contaminants, then dry cleaning is recommended.

Our recommended cleaning for these garments is as follows:

- Machine wash in hot water (maximum 104 °F / 40 °C) with a heavy duty detergent.
- Tumble-dry on low heat (maximum 104 °F / 40 °C).
- Do not over-dry. Remove promptly.
- Do not use fabric softeners or dryer sheets.
- When using commercial laundry aids, be sure to read and carefully follow manufacturer's instructions.
- Removal of grease or oil stains may require dry cleaning.
- Do not store or line-dry fabrics or garments in sunlight.



Marking

ARC HEAT TRANSFER PRINT



Position:
Centre front

ATPV 9.9 CAL EMBROIDERY



Position:
Centre front - Below print

ATPV 9.9 CAL EMBROIDERY



Position:
Centre front - Below print

Disposal

All industrial waste should be disposed of correctly according to local regulations and good disposal practice. Please consider recycling.

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Latest update: 16/04/2024

Arc Flash PPE Categories

Hazard/Risk Category	Required minimum ATPV (Cal/cm ²)	Workwear	Other PPE
HRC 1 	4	 <p>ARC T-SHIRT SS ARC BOXER SHORT</p>  <p>ARC T-SHIRT LS ARC SHIRTS & DENIM JEANS ARC DUST COAT ARC POSEIDON BOILERSUIT ARC X BIB ARC 2 PIECE CONTI-SUIT ARC BOILERSUIT</p>	 <p>ARC LEATHER GLOVES ARC VISOR *(must wear with Balaclava) BSD ARC ERGOS INTEC ARC BALACLAVA ARC BEANIE EARPLUGS ARC BLANKET</p>
HRC 2 	8	 <p>ARC T-SHIRT LS ARC SHIRTS & DENIM JEANS ARC DUST COAT ARC POSEIDON BOILERSUIT ARC X BIB ARC 2 PIECE CONTI-SUIT ARC BOILERSUIT</p>	 <p>ARC SWITCHING MITT GLOVES DIPPED ARC GLOVES ARC SWITCHING GLOVES ARC HARD HAT ARC ANKLE SAFETY BOOTS</p>
HRC 3 	25	 <p>ARC SUIT ARC BOILERSUIT</p>	 <p>EARPLUGS ARC BLANKET ARC LEATHER GLOVES ARC HARD HAT ARC ANKLE SAFETY BOOTS ARC SWITCHING MITT GLOVES ARC SWITCHING GLOVES ARC VISOR *(must wear with Balaclava) BSD ARC ERGOS INTEC ARC BALACLAVA ARC BEANIE</p>
HRC 4 	40	 <p>ARC PADDED JACKET ARC 55CAL BIB & BRACE, JACKET AND HOOD WITH VISOR ARC 100CAL BIB & BRACE, JACKET AND HOOD WITH VISOR</p>	 <p>ARC SWITCHING MITT GLOVES ARC SWITCHING GLOVES ARC LEATHER GLOVES ARC BLANKET EARPLUGS ARC ANKLE SAFETY BOOTS</p>

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