

## PRODUCT DATA SHEET

10/06/2020

**Part No: AK500100BK**

**ARC Plus** 100 Cal Jacket & Trousers Ensemble Kit BeeKeeper

### Kit Features & Contents

- Kit comprises Switching Jacket 850mm length, Switching Trousers with Bib for extra chest protection, Switching Hood BeeKeeper style includes internal hard hat, Switching Gloves/ Gauntlets 450mm length all packed in Kit bag
- 3 layer inherent fabric construction – outer layer 10TT342 Brown Twill Lenzing FR/Twaron blend, middle layer 08TT298 Twaron, inner layer 11NFC4MA1 Omni Quilt, the combination of all 3 providing an ATPV of 100 cal/cm<sup>2</sup>
- Switching Jacket is 850mm length with velcro front closure and adjustable cuff tabs
- Switching Trousers are Bib style for extra chest protection and have web strap clip closure with side waist velcro tabs for adjustment
- Switching Hood includes an internal hard hat and Next Generation Grey Visor rated at 100 cal/cm<sup>2</sup>. The Next Generation Grey visor greatly enhances colour recognition
- Switching Gauntlets are 450mm length



The AK500100BK Kit comprises the following individual components:



AC500100J Jacket 850mm



AC500100/T Trousers



AC500100/H Hood



AC500100/G Gloves 450mm



CP630206\* Kit Bag

## Standards Compliances

### Fabric Specification – Jacket, Trouser/Bib Hood & Gauntlets

- Three layer inherent fabric construction. Outer Layer 10TT342 Twill 60/40 Lenzing FR, Twaron fibre blend, 9.7 ozs/yd<sup>2</sup> (329 gsm), colour Brown. Middle Layer 08TT298 Twill, Twaron, 8.0 ozs/yd<sup>2</sup> (271 gsm), colour Yellow. Inner Layer 11NFC4MA1 comprises 5 fabric layers quilted in a 3 inch diamond pattern with natural Nomex thread, 11.1 ozs/yd<sup>2</sup> (376gsm), colour Blue. The individual layers have been tested and passed many standards and only those relevant to 100 cal/cm<sup>2</sup> arc flash testing are reproduced in this statement. Individual fabric Test Reports are available on request
- NFPA 70E Standard for Electrical Safety In The Workplace, ATPV 100.0 cal/cm<sup>2</sup> CAT4+ ensemble tested comprised outer layer 10TT342 Brown Twill Lenzing FR/Twaron blend, middle layer 08TT298 Twaron, inner layer 11NFC4MA1 Omni Quilt
- ASTM F1959/F1959M-14e1 Standard Test Method for Determining the Arc Rating of Material for Clothing
- IEC 61482-1-1:2009 Method A Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-1:Test methods – Method 1 : Determination of the arc rating of flame resistant materials for clothing

### Arc Flash Visor

- Shield – Polycarbonate, Attachment System – Velcro,
- Meets ANSI & NFPA 70E Test Methods ANSI Z87+S & ASTM F2178
- Visor tested and rated for use with hoods at 100 cal/cm<sup>2</sup>, NFPA 70E CAT 4
- Dual Lens HT (Grey), Premium anti-fog and anti-abrasion coated
- Nanoparticle grey provides excellent field of view and enhanced colour recognition

### Hard Hat (Internal)

- AS/NZS 1801:1997, Occupational Protective Helmets

### Kit Bag\*

- No rating is attached to the Kit bag which is intended purely for storage purposes away from potential arc flash activity
- Bag style & colour may vary from time to time.

**Disclaimer:** The information contained in this data sheet is believed to be true at the time of printing. It is up to the user to determine suitability of use, or potential infringement for specific applications.