

BW1560T2

FR Regular Weight PPE Category 2 Cargo Trousers with Biomotion Loxy™ Reflective Tape



PPE 2

9.6 cal/cm² ATPV

ASTM F1959M/F1959 & NFPA 70E:2015



NFPA 2112
NFPA 70E

PPE 2
(HRC 2)



EN ISO 11612
2015

A1 A2 B2
C1 F1



IEC 61482-1-2
2014

Class 1



EN 1149-3(5)
Pt. 3:2004
Pt. 5:2018

Charge Decay

ASTM D2863 2013

LOI 29.6%

Oeko-Tex® Standard 100 Class II

FABRIC | Parvotex™
WEIGHT | 197gsm
TAPE | Loxy™ Tape

AS/NZS 1906.4:2023 | Class R
AS 4602.1:2024 | Class N*
AS 4399:2020 | UPF 50+

AS/NZS 4836:2023 | Compliant
ENA NENS 09 | Compliant

- 197gsm regular weight garment providing PPE Category 2 (9.6 cal/cm²) protection
- 13-pocket cargo design offers extensive and convenient storage for essentials
- Integrated elastic panels at both side seams for personalised fitment and comfort
- Parvotex™ inherent FR fabric, with a blend of 32% cotton offering breathability and FR protection
- Anti-static fabric dissipates electrostatic charge from across its' surface as per EN1149-3 reducing the risk of conductivity for the wearer
- Loxy™ FR 9801 Silver Reflective Tape tested to standard AS/NZS 1906.4:2010
- Biomotion tape configuration to enhance visibility
- Reinforced knee panels for enhanced longevity
- Tapered leg design offers a modern and tailored silhouette
- Wide belt loops

*Class N only applicable when worn with a compliant shirt

BW1560T2-NAV 72R-117R
82S-132S
84L-94L

MOQ 1 Unit
CARTON 20 Units

PARVOTEX

PRODUCT CERTIFICATION



BSI Certified Product
ASTM F1959/F1959M
NFPA 2112:2023

ASTM F1959/F1959M Test Method for Determining the Arc Rating of Materials for Clothing

ASTM F1959/F1959 is an international standard outlining the original test method for determining an 'Arc Rating' or 'Arc Thermal Performance Value' (ATPV) of a material or combination of materials, intended for use to construct a flame resistant garment. The results from the ASTM F1959/F1959 test method will detail the fabric samples material properties, when exposed to convective and radiant energy generated by an electric arc.

AS/NZS 1906.4:2023 Retroreflective materials and devices for road traffic control purposes - Part 4: High-visibility materials for safety garments

Retroreflective Material

Class R Retroreflective material is applied to workwear garments in the form of high-visibility reflective tape. This material reflects direct artificial light sources - such as car headlights - back to the viewer.

AS 4602.1:2024 High-visibility safety garments - Part 1: Garment for high risk applications

Day/Night Use

Designed to provide wearer visibility in both day and night-time conditions.

These garments combine the requirements of Class D high-visibility fabric with Class N requirements of reflective tape configurations.

Like Class D, Class D/N garments must have same 0.2m² high-visibility fabric on the front and back torso, compliant to Class F and RF material standards. Class NF fabric, can be used instead, with the caveat of reduced high-visibility properties and differing care instructions.

Why certify workwear garments for construction and high visibility?

Unknown to most people, workwear garments in Australia are almost always sold with the claim they are compliant to Australian/New Zealand or European safety standards for workwear. The most popular claims are made to standards:

AS/NZS 1906.4:2023 Retroreflective materials and devices for road traffic control purposes - Part 4: High-visibility materials for safety garments

AS 4602.1:2024 High-visibility safety garments - Part 1: Garments for high risk applications

AS 4399:2020 Sun protective clothing - Evaluation and classification

ASTM F1959/F1959M Test method for determining the arc rating of materials for clothing

However making this claim is NOT the same as being certified to the Australian/New Zealand standards.

As a consumer you are expected to accept this claim without any further proof or validation that the necessary lab tests have been conducted and all performance requirements have been thoroughly met; upholding all proper scientific practices.

For Bool Workwear this is not acceptable. We pride ourselves in becoming the first Australian workwear provider that can validate our safety claims by providing certification.

Bool Workwear have entrusted BSI Global - international independent notifying body - to ensure that certified Bool garments meet Australian and relevant international safety standards. The certification process ensures manufacturing processes and facilities, test certificates, and the product itself are audited & scrutinized so that all claims are accurate. A garment is then able to be marked certified by the BSI Certified Body.

As certified products the BSI Global and license number issued the BSI Certified Body is presented next to the garment.

Fibre Construction

PARVOTEX

Modacrylic	 50%
Cotton	 32%
Polyarylate	 8%
Polyamide	 9%
Carbon	 1%

Parvotex is uncompromised protection against unforeseen open electric arc incidents and flash-fire events. No other FR fabric can boast high levels of fire resistance alongside superior comfort and breathability. This all stems from the yarns composition, with our Parvotex fabric boasting a 32% cotton content the perfect solution for Australia's hot and humid climate.

With a cotton content of 32% the Parvotex fabrics is ultra comfortable, eliminating and removing the stiffness and heaviness of traditional flame retardant garments. The high cotton content also makes the yarn highly breathable which is essential in the harsh Australian working conditions.

Care Instructions

Written in accordance with
AS/NZS 1957:1998 Textiles - Care Labelling



Wash prior to first time use or if stained, with like colours



Machine wash at no more than 60°C



Do not use chlorine-bleach



Do not use fabric softeners or soap



Dry in shade and do not overdry



Warm tumble dry, short cycle Rinse thoroughly



Medium heat iron



Dry cleanable

Sun Protection

UPF 50+ Excellent Protection

Garments received a pass under AS4399:2020 Sun protective clothing - Evaluation and classification