
























HIGH RISK CATEGORIES

ARCGUARD BY BISON	ATPV (CAL) RATING	INHERENT FR / ANTISTATIC	INHERATEX (INHERENT) 240gsm Knit-10cal 240gsm-12cal 360gsm-16cal Antistatic	 363170N	 243120N	 243170NX	 212170N	 21217YN	 213171RBO	 170171NT	 43317RBO			
			INHERALITE (INHERENT) 185gsm 8.8cal Antistatic	 2131710N	 213170N	 17017NT	 433170N							
			INHERATEX (INHERENT) 400gsm Sweatshirt 18.4cal Antistatic	 253170X	 25217YN									
			INHERATEX (INHERENT) 300D Poly Oxford 29cal Antistatic	 323170NX	 32217YN	 513170X	 51217YN	 140170T	 14017NT	 12017NT				
			TREATED FR ANTISTATIC COTTON BLEND	COTTON BLEND 88/11/1 11cal Antistatic	 21312RBO	 170121NT	 433121RBO	 432121RBO						
TREATED FR 100% COTTON	COTTON 325gsm 100% Cotton 13cal (no Antistatic)	 432120N	 43212YN	 4311210N										
TREATED FR COTTON NYLON	COTTON BLEND 88/12 11cal (no Antistatic)	 21312RBOX	 17012RBT	 43312RBOX										
BISON STAMINA	LIMITED FLAME SPREAD	LIMITED FLAME SPREAD TREATMENT ANTISTATIC	STAMINA FR LIMITED FLAME SPREAD INDEX 1 300D Poly Oxford Minimum FR, Antistatic	 3231510	 513150	 140150BK	 120150							

HIGH RISK FABRICS

INHERENT FR / ANTISTATIC / ATPV (CAL) RATING FABRICS

ARCGUARD INHERATEX FABRIC

Arcguard Inheratex is a blended Inherent FR fabric which offers uncompromising Flame Resistance, Arc Protection and Antistatic protection. Inheratex has inherent flame retardant properties which will not deteriorate or diminish; they are literally a structural part of the fibre. Inheratex fabric is soft, strong, and resilient, made from fibres that can be easily dyed, with good shape retention and quick drying. Inheratex is non-allergenic and has resistance to chemicals and solvents.

Benefits of Arcguard Inheratex Fabric Technology

- Inherent fibres do not deteriorate or lose performance, even after repeated laundering, dry cleaning, or spot-cleaning.
- Carbon antistatic threads are woven into the fabric and provide protection against the build-up of static electricity.
- Superior moisture management, quick dry technical fibres.
- A soft, strong, resilient finish that will stay looking good for longer and stay true to size.
- Arcguard Inheratex fibres provide uncompromised breathability and comfort, are non-allergenic and is resistant to most harsh chemicals and solvents.

Arcguard Inheratex fabrics and products come in different weights, construction, and cal rating, but all have the same type of protection at its core – a lifetime of FR protection.

Inheratex Fabrics

- Polo Knit: 240gsm 10Cal, PPE2
- Classic: 240gsm, 12Cal, PPE2
- Softshell: 360gsm, 16Cal, PPE2
- Sweatshirt: 400gsm, 18.4Cal, PPE2

Arcguard Inheratex fabric meets the following performance standards: ISO 11612:2015, ISO 11611, ISO 14116 Index 3/5I/60, ASTM F1959/F1959M, EN 61482, EN 1149-5:2018.

ARCGUARD INHERATEX RAINWEAR

STAY DRY FOR 6HRS IN OUR ARCGUARD RAINWEAR!



Arcguard Rainwear with 300D Poly Oxford, Antistatic carbon grid, Modacrylic liner and FR cotton lining has a 16,000+mm waterproof rating and comes with our 6hr Waterproof Guarantee.

Inheratex Rainwear Fabric

- Rainwear: 300D, 29Cal, PPE3

Arcguard Inheratex Rainwear fabric meets the following performance standards: ISO 11612:2015 Class A1 B1 C1 F1, ISO 11611:2015 Class 1, A1, ISO 14116 Index 3/5H/40, ASTM F1959/F1959M E1, 61482-1-2:2014, EN1149-5:2008, Water Resistance H20:16,000+mm. Breathability: 4,000g/m2/24hr.

ARCGUARD INHERALITE™ FABRIC

The new Arcguard InheraLite™ range combines the best of the Arcguard Inheratex FR fabric that you already know and love, with high performing LENZING™ FR fabric to create a brand-new hybrid solution in High Risk protection. Joining these two technologies gives you the wearer the best of both worlds; lightweight, year round comfort and peace of mind knowing you will be protected should the worst happen.

Blended benefits of Arcguard InheraLite™

- Arc rating: 8.8 cal/cm² ATPV HRC2/PPE2.
- 185gsm LENZING™ FR Ripstop and Arcguard™ Modacrylic FR blended fibre.
- Inherent Fire Retardant, Antistatic and Arc protection guaranteed for the entire life of the garment.
- New lightweight and breathable design helps reduce the risk of heat stress and physiological strain on workers.
- LENZING™ FR has natural softness and comfort, enhanced breathability, and good moisture management.
- Ultra-Flect® Fire Retardant (FR) reflective tape as standard.

Benefits of LENZING™ FR Fabric Technology

LENZING™ FR is a sustainably produced inherently flame retardant and resistant fibre based on the renowned Modal fibres production process.

- Botanic origin: The cellulosic fibres are made through environmentally responsible processes from sustainably sourced natural raw materials. Wood pulp from the forest is transformed into biobased LENZING™ FR Modal fibres.
- Moisture management: Absorbs and releases moisture therefore better supporting thermal regulation.
- Enhanced Breathability: Allows thermoregulation and offers a significant reduction in wearer fatigue and helps to reduce risk of heat stress.
- Comfort: LENZING™ FR Modal fibres exhibit high flexibility, resulting in a naturally soft quality to the textile, enhancing wearer comfort.
- Better for the environment: Derived from nature, all LENZING™ FR standard Modal fibre types have been certified as compostable and biodegradable.
- Colour retention: LENZING™ FR fibres retain long-lasting colour vibrancy.

InheraLite™ Fabrics

- InheraLite™: 185gsm, 8.8Cal, PPE2

Arcguard InheraLite™ fabric meets the following performance standards: ISO 11612:2015, A1, B1, C1, ISO 14116 Index 3/5H/60, IEC 61482-1-1: 2019, EN 1149-5:2018.

TREATED FR / ANTISTATIC / ATPV (CAL) RATING FABRIC

ARCGUARD COTTON BLEND FABRIC (88/11/1)

(Formerly called Natural Fibres)

The fire retardant cotton fibres are focused on the inside of the fabric, next to the wearers skin, to optimise comfort. The nylon is toward the face of the fabric, away from the skin, and increases the abrasion and strength of the fabric. The Arcguard 88/11/1 cotton blend range is treated with a THPC chemical for flame resistance. This treatment will last for the life of the garment, up to 50 washes, if washed according to the care instructions noted on the garment.

Cotton Blend Fabrics

- 88/11/1 composition: 240gsm, 11Cal, PPE2. FR cotton/nylon/carbon. The carbon antistatic thread is woven into the fabric to protect against static electricity.

Arcguard Cotton Blend fabric meets the following performance standards: ISO 11612:2015-A1, A2, B1, C1, ISO 14116 Index 3/5I/75, ASTM F1959/F1959M, EN 61482-1-2:2015 Class 1 (4KA), EN 1149-5:2018 (88/11/1 only).

TREATED FR / ATPV (CAL) RATING FABRIC

ARCGUARD COTTON BLEND FABRIC (88/12)

The fire retardant cotton fibres are focused on the inside of the fabric, next to the wearers skin, to optimise comfort. The nylon is toward the face of the fabric, away from the skin, and increases the abrasion and strength of the fabric. The Arcguard 88/12 cotton blend is treated with a THPC chemical for flame resistance. This treatment will last for the life of the garment, up to 50 washes, if washed according to the care instructions noted on the garment.

Cotton Blend Fabrics

- 88/12 composition: 240gsm, 11Cal, PPE2. 88% FR treated cotton, 12% nylon (no Antistatic).

Arcguard Cotton Blend fabric meets the following performance standards: ISO 11612:2015-A1, A2, B1, C1, ISO 14116 Index 3/5I/75, ASTM F1959/F1959M, EN 61482-1-2:2015 Class 1 (4KA),

TREATED FR / ATPV (CAL) RATING FABRIC

ARCGUARD COTTON FABRIC

(Formerly called Flameguard fabric)

In environments where the danger is flame spread Arcguard cotton should be your go to workwear. Fire retardant (FR) refers to a material's ability to self-extinguish once an ignition source is removed. Arcguard cotton fabric is treated with a THPC chemical that limits the flame spread on the fabric. This treatment 'puts the fire out' once a spark or flame has caused ignition.

Cotton Fabric

- 325gsm 100% FR treated cotton

Arcguard FR 100% Cotton fabric meets the following performance standards: ISO 11612:2015-A1, A2, B1, C1, E1, ISO 14116 Index 3/5I/75, ASTM F1959/F1959M.

LIMITED FLAME SPREAD FABRIC

STAMINA FR FABRIC

(Formerly called Rigour Rainwear)

STAY DRY FOR 6HRS IN BISON STAMINA FR RAINWEAR!



Constructed with an FR treated 300D Oxford Polyester fabric and Carbon antistatic thread woven into the fabric. This fabric has a heavy-duty milky PU backing and all seams are sealed, for superior waterproofing. Suitable for antistatic protection and limited flame spread, this fabric is designed to give you the protection from the weather that you'll need as a worker in the utilities, oil, gas, petrochemical and steel industries. Bison Stamina FR has a 16,000mm waterproof rating and comes with our 6hr Waterproof Guarantee.

Stamina FR Fabric

- 300D FR treated polyester/carbon thread/PU backing

Stamina FR fabric meets the following performance standards: ISO 14116 Index 1/5H/40 Limited Flame Spread, EN1149-5:2008.