

FOR VARIOUS INDUSTRIAL APPLICATIONS

PETROCHEMICAL & REFINING
UTILITIES
MANUFACTURING
CHEMICAL
WIND ENERGY

MINING
STATIONWEAR
FOOD PROCESSING
HOSPITALITY

ADVANCED AR/FR FABRICS

FOR WORKWEAR



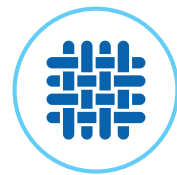
PERFORMANCE



COMFORT



TEAM IMAGE



DURABILITY



SAFETY MADE SIMPLE

In the field it's known as "cheating" compliance - workers rolling up their sleeves, loosening buttons, or wearing non-compliant workwear altogether. But worker safety is not a game, and there are no shortcuts. So, if PPE compliance falls on your plate, choose garments made with GlenGuard - the most comfortable, durable, and versatile AR/FR fabric in the workwear world.

With the industry's best weight-to-protection ratio, GlenGuard helps workers reach their peak performance and stay in compliance. Comfortable workers lead to a compliant workforce.



OUR FABRICS

TWILL

5.3oz

6.4oz

RIPSTOP

6.1oz

KNIT

6.7oz



PERFORMANCE

POWERED TO PROTECT

GlenGuard high-performance AR/FR fabrics are engineered to provide ultimate protection and unmatched comfort. Our fabrics are expertly designed and rigorously tested to ensure that every garment made with GlenGuard has the ultimate fit, feel, and performance.



PROPERTIES

	TWILL 5.3oz	TWILL 6.4oz	RIPSTOP 6.1oz	KNIT 6.7oz
Construction	Right Hand Twill	Right Hand Twill	Entwined RipStop	Pique Knit
Inherently FR	Yes	Yes	Yes	Yes
Protection Level	CAT 2	CAT 2	CAT 2	CAT 2
NFPA 70E Arc Flash	8.9 cal/cm ²	10.9 cal/cm ²	9.8 cal/cm ²	12.0 cal/cm ²
NFPA 2112 Flash Fire	Pass	Pass	Pass	Pass
Shrinkage 10 IL Washes	<3%	<3%	<3%	<3%
Permanent Static Control	Yes	Yes	Yes	Yes

CERTIFICATIONS AND STANDARDS MET

- ASTM F1506
- NFPA 1977
- IEC 61482-1-1
- OEKO-TEX® Standard 100
- NFPA 2112
- UL Compliant
- IEC 61482-1-2
- CSA Z96 Compliant Orange
- NFPA 70E
- CGSB 155.20 Canada Only
- EN ISO 11611
- NFPA 1975
- CGSB 155.22 Canada Only
- EN ISO 11612



COMFORT

LIGHT FABRIC FOR HEAVY WORK

GlenGuard is built for the wearer. We design every fabric to be lightweight, breathable, and moisture-wicking to ensure comfort even in harsh conditions. Our advancements in the field of AR/FR textile engineering have made GlenGuard the fabric of choice for industrial teams everywhere. Garments made of GlenGuard have the industry's leading weight-to-protection ratio, meaning wearers get ultimate AR/FR protection without sacrificing their mobility or freedom of motion. The latest addition to the GlenGuard brand incorporates stretch and recovery for the next level of comfort.

WICKZZ™ TECHNOLOGY

Sweat? Not on your jobsite. Perspiration is inevitable, which is why GlenGuard created the Wickzz Moisture Management System to quickly draw sweat away from the skin and disperse it across the fabric to evaporate. Don't let heat stress or soggy AR/FR garments bog you down - outfit your team in garments made of GlenGuard, and let Wickzz do the rest.





TEAM IMAGE

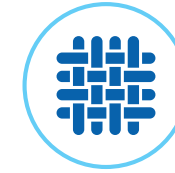
A WIN FOR THE WORKFORCE

Image is everything, so look sharp. Why waste time and money on garments that fade and break down after repeated laundering? GlenGuard fabrics are made using solution-dyed technology, which allows color to penetrate the fiber's core and prevents fading even after heavy use and repeated washing. Piece-dyed fabrics, on the other hand, only apply color to the surface of the fiber, which leads to fading. GlenGuard keeps your team looking vibrant and professional, no matter what they face.

SUSTAINABLE SOLUTION



Solution-dyed fabrics are also eco-friendly. On average, a single garment made of **GlenGuard saves 10 gallons of water** compared to a garment made of piece-dyed fabric.



DURABILITY

THE WON'T-WEAR FABRIC

It's simple: a garment made of GlenGuard will perform better and last longer. Fortified with solution-dyed fiber content, GlenGuard fabrics are built to withstand not only the toughest work conditions, but also industrial-strength laundering. A prolonged garment life means improved safety, lower replacement costs, team image uniformity, and a smaller carbon footprint. Choose GlenGuard, the only fabric that can't be out-toughed.

ABRASION RESISTANCE

Abrasion resistance describes a fabric's ability to withstand wearing, grinding or rubbing away of a material by friction. **GlenGuard fabrics are engineered to be highly abrasion-resistant and designed to hold up to harsh environments and repetitive use.**

FABRIC STRENGTH

A fabric's strength can be measured by tear and tensile testing which describes the force required to start or continue a tear, and the force a fabric can support before it breaks, respectively. **GlenGuard is made with high-quality materials and state-of-the-art processes that give our fabrics unparalleled strength.**

MADE TO MATCH

GlenGuard's colorfast fabric is woven using aramid fibers that are solution-dyed to the core and made to retain its color vibrancy longer than other AR/FR fabrics.



GlenGuard Fibers



Piece-Dyed Fibers





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The information in our data sheets and specifications is based on generally accepted textile testing underwritten by Glen Raven, Inc. These tests, however should not be substituted for any testing you may need to conduct to determine suitability for your internal use. This information is subject to revision as new knowledge and data are collected. Glen Raven, Inc. makes no warranties and assumes no liability in connection with any use of this information. Given the various conditions of use, it is the users' responsibility to assess the level of risk and protective equipment required for the circumstances. Proper cleaning of fire retardant garments is essential for maintaining maximum performance. Consult with the fabric supplier, garment manufacturer, and launderer for cleaning recommendations. The included information are actual values. These values may vary with acceptable testing standards and methods.