

SIGMA



NEXT GENERATION

of Flame Resistant fabric technology
for Wildland & Tech Rescue Garments

In 2010, the U.S. military challenged the industry to develop a new flame resistant (FR) fabric that would offer excellent comfort, durability, and protection from heat and flame. After years in the lab, Sigma™ is now worn by over 100,000 U.S. soldiers across the globe to protect against the same dangers experienced by wildland fire fighting and USAR teams – flash fire and fatigue.

WILDLAND & TECH RESCUE
FABRIC

Innovation is a word not typically associated with FR Fabrics worn by those in the wildland firefighting and tech rescue world. First responders have been limited to traditional fabrics made of basic aramid blends or FR cotton blends for the last 30 years. These traditional blends usually have one or two positive areas of performance but lack in other areas of performance. Sigma, offers first responders the best combination of flash/thermal protection, durability, breathability, comfort, and appearance in a single layer garment.

“In one of the largest wildland wear trials ever conducted, Department of Homeland Security results listed Sigma as the top performer”

Sigma was specified as the fabric of choice by DHS following an extensive trial. Sigma fabric received the highest ratings in both System Heat Dissipation and Comfort by a noticeable margin.”

+1000 WEAR TRIAL PARTICIPANTS
60 FR FABRICS
1 CHOICE FOR HIGHEST HEAT DISSIPATION AND COMFORT



TECHNICAL INFORMATION

COMPOSITION

45% meta-aramid
17% Polyamide
6% para-aramid
32% Lenzing® FR

WEIGHT

(sq.yd.): **7 oz**

COLORS

Tan, Black, Yellow, Orange, and Navy

WEAVE

Comfort twill

CERTIFIED

NFPA 1977, NFPA 1975, NFPA 1951

LEARN MORE



SIGMA COLORS



TESTED

- Tested by Underwriters Laboratories (UL)
- Tested by DHS/Natick in one of the largest Wildland wear trials ever conducted
- Tested by Natick (U.S. Army, U.S. Marines, U.S. Air Force, U.S. Navy)

PROVEN

- Proven performance with certification to NFPA 1977, 1975, and 1951
- Proven performance as the top rated fabric in the largest Wildland wear trial ever conducted
- Proven performance as the FR fabric of choice for numerous U.S. Marine and U.S. Army garment applications (with over 100,000 garments worn in Afghanistan and Iraq)