

CARBON



by TEXTTECH

NON-FLAMMABLE HOODS/BALACLAVAS

IN STRUCTURAL TO WILDLAND FIRE ENVIRONMENTS, THE UNPREDICTABLE AND RELENTLESS NATURE OF FIRE MAKES IT IMPERATIVE THAT A FIREFIGHTER'S PROTECTIVE CLOTHING AND EQUIPMENT CAN HANDLE THE MOST SEVERE SITUATIONS. THESE BRAVE MEN AND WOMEN PUT THEIR LIVES ON THE LINE AS THEY RUN TOWARD DANGER, NOT AWAY FROM IT, FOR THE BENEFIT AND PROTECTION OF OTHERS. TEXTTECH INDUSTRIES WANTS TO MAKE SURE THEY RETURN FROM THE FRONT LINE SAFELY EVERY TIME WITH CARBONX NON-FLAMMABLE APPAREL.



FIRE IS NO MATCH FOR CARBONX HOODS

No flame-resistant (FR) hood protects critical face and neck areas from flame, heat, smoke, and ash like CarbonX. Constructed to be truly non-flammable, CarbonX hoods will not burn, melt, or ignite. Even after intense exposure to direct flame and extreme heat, they maintain their strength and integrity and continue to protect. They also limit heat transfer much more effectively than FR hoods of similar weight.

Our featured line of hoods is made of the CarbonX NSM 18-19 1X1 rib knit fabric, which is comprised of a patented blend of high-performance fibers that provide an extraordinary level of protection. The performance levels of our NSM fabric far surpass NFPA and EN standards.

Lightweight, soft to the touch, and flexible, our NSM fabric is comfortable next to skin, breathes extremely well, wicks away moisture, and dries quickly. It is ideal for use in single-layer, double-layer, or triple-layer hoods.

Because our NSM fabric is inherently flame resistant, the thermal protective properties of our hoods will not wash out or wear away. They are machine washable, easy to care for, and can be worn daily as part of a total personal protective equipment (PPE) solution, providing significant value. (Apparel that is torn or damaged should be removed from service.)

Single and dual eyeport style hoods are available in two different lengths.



SETTING A NEW STANDARD IN FR PROTECTIVE APPAREL

While competitors work to ensure their products *meet* industry standards, **our goal is to exceed these standards** and go above the norm in providing a persistent thermal barrier with minimal heat conductivity. CarbonX fabrics and apparel offer protection far beyond the industry's No Melt, No Drip requirements, which typically only require that protective fabrics not contribute to burns in a thermal exposure as opposed to actually protecting the wearer from a thermal event.

U.S. TEST DATA

FLAMMABILITY TEST FOR CARBONX NSM 18-19

AFTER FLAME: NONE/0 SECONDS

AFTER GLOW: NONE/0 SECONDS

CHAR LENGTH  9.0 mm (0.35")

ATPV FOR CARBONX NSM 18-19

SINGLE LAYER  11.9 cal/cm²

DOUBLE LAYER  32.0 cal/cm²

TRIPLE LAYER  54.0 cal/cm²

TPP FOR CARBONX NSM 18-19

SINGLE LAYER  11.3 cal/cm²

DOUBLE LAYER  24.0 cal/cm²

EN TEST DATA FOR CARBONX NSM 18-19

EN ISO 11611 Class 1 (2 layers)

EN ISO 11612 A1, A2, B1, C1, E1 (2 layers)

EN ISO 61482-1 ATPV

SINGLE LAYER  11.8 cal/cm²

DOUBLE LAYER  >25 cal/cm²

PARTNERS IN PROTECTION

CarbonX has the advantage of being a signature brand of TexTech Industries Inc., a global market leader in providing Personal Protective Equipment (PPE) solutions and performance-driven materials since 1904. TexTech's in-house engineering, testing, and manufacturing capabilities facilitate the development of new CarbonX products to meet the requirements of a broad range of difficult and demanding protective applications for industrial safety, steel/welding, utilities, pulp and paper, oil and gas, firefighting, motorsports, construction, and tactical/police. When confronting dangerous conditions, professionals and enthusiasts can rely on CarbonX to provide them with the protection they deserve.

FOR MORE INFORMATION ABOUT CARBONX FABRICS AND APPAREL, CALL 801.415.0023 OR VISIT WWW.CARBONX.COM.

CARBON



by **TEXTech**

CARBONX NSM 18-19

FABRIC PROPERTIES

TOTAL WEIGHT (OZ/YD²)

6.8 OZ

1X1 RIB KNIT



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INDUSTRIES