

# PRODUCT SPECS



## 18" KNIT CARBONX® SLEEVE WITH THUMBHOLE • PART #CX-18-TH



### FEATURES

- Knit sleeve with thumbhole
- Made from black knit CarbonX®
- 18" sleeve length
- Flame resistant
- Made from a blend of high performance fibers
- Maintains protective capabilities even after intense exposure to hazards

### ABOUT CARBONX



CarbonX® comes in various weights of woven and knit fabrics. Knit CarbonX® is excellent when used in baselayer garments and next-to-skin applications. It is very lightweight, flexible and soft-to-the-touch, while protecting the skin from burn injuries.

Base layer garments made of CarbonX® knit fabrics play an essential role in protecting wearers against serious burn injuries and more common nuisance burns. In dangerous situations, having CarbonX® knits close to the skin may buy the wearer critical time to escape without severe or life-threatening injuries. Additionally, CarbonX® is inherently flame resistant and the thermal protective properties will not wash out or wear away.

One of the most significant characteristics that gives CarbonX® such high protection from heat and flame is its high Limiting Oxygen Index, or LOI. The Limiting Oxygen Index measures the amount of oxygen required in the environment for a fabric to support combustion. Any material with an LOI of less than 20.95 (the oxygen volume of air) will burn in air. CarbonX® has an LOI of 55, indicating that it needs an oxygen level of nearly three times that of air to burn. When exposed to heat and flame, the patented fiber blend carbonizes and then expands, eliminating any oxygen content within the fabric.

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