

## **DATA SHEET**

### **HOT SHIELD WILDLAND ULTIMATE BANDANNA MODEL UB-V2**

The Hot Shield Ultimate Bandanna Model UB-V2 is simple but elegant fire resistant bandanna designed specifically for wildland firefighters. The Ultimate Bandanna is not a respirator, nor is it designed to accommodate a filter. The Ultimate Bandanna provides the user with a low level of respiratory relief from large airborne particulate, embers, ash, etc through a double layer of “mesh” fabric but does not provide any vapor protection. The mask has an adjustable, integral, non-exposed nose pinch bar for comfort & performance fit. Thermal protection is accomplished by layers of CarbonX, an extremely durable & heat resistant proprietary fabric manufactured by Tex Tech Industries, tested to withstand extreme temperatures, far exceeding the performance requirements of NFPA Standards #1977, 1971 & 2112. The interior materials also absorb perspiration, adding to overall user comfort. A cinch cord with sliding nylon spring lock creates an air pocket and allows for better fit, comfort and performance. Fastens behind the neck (Velcro). 3M Scotchlite Reflective Trim for nighttime visibility. An integral neck hang strap allows bandanna to hang loosely around neck/chest until needed.



#### **KEY FEATURES**

- ★Patented CarbonX materials inside and out
- ★Designed by firefighters
- ★Very easy to breathe through at ANY exertion level
- ★No filter to replace
- ★Very lightweight....only 3.6oz / 100.8 grams
- ★Hangs loose around your neck until you need it (integral CarbonX hang strap)
- ★3M Reflective Trim for nighttime visibility

#### **UB-V2 SPECIFICATIONS**

<b>Name:</b>	Ultimate Bandanna
<b>Model Number:</b>	UB-V2
<b>Weight:</b>	3.6 oz / 100.8 grams
<b>Sizing:</b>	One size fits all (hook & loop fasteners behind neck)
<b>Limitations:</b>	Will not block gases, vapors or significant or fine airborne particulate. NOT A RESPIRATOR.
<b>Coverage:</b>	Most areas of the face and neck. Leaves ears exposed.
<b>Product Testing:</b>	Mask itself subjectively tested only. CarbonX materials objectively tested and exceed thermal protective performance minimum requirements for NFPA Standard #1977-2022 Wildland Protective Clothing and Equipment
<b>Care:</b>	Hand wash mild soap and drip dry only
<b>Warranty:</b>	One year materials and workmanship

# FABRIC COMPONENT LIST and TESTING DATA FOR CARBON X FABRICS

CarbonX / Hot Shield USA Components List - Model HS-2				
				
Item #	Model #	CarbonX Fabric	Location on Mask	Fabric Oz. Weight
1	HS-2	CK-3 (Rip-Stop Weave)	Outward facing panels	7.5 oz
1	HS-2	C-59 (Plain Weave)	Inner panels, Velcro Strap/leash, Clip Pockets, Head-Strap Panels	5.9 oz.
1	HS-2	NSM 18-19 (Rib Knit)	Breathing Port	18.5 oz.
1	HS-2	DJ-77 (Interlock Knit)	Nose Clip Encasement / Filter Encasement	7.75 oz.

CARBONX TESTING DATA				
Test Name	Standard	NFPA 1977 (2011) Requirement	Fabric: CarbonX RST-75	Fabric: CarbonX C-59
Radiant Protective Performance (RPP)	ASTM F1939	7 cal/cm <sup>2</sup> or greater	Combination: 11.1 cal/cm <sup>2</sup>	Combination: 11.1 cal/cm <sup>2</sup>
Thermal Protective Performance (TPP)	ISO 17492	NFPA 2112: 3.0 cal/cm <sup>2</sup> (spaced TPP of 6.0 cal/cm <sup>2</sup> )	Single layer: 9.7 cal/cm <sup>2</sup>	Single layer: 10.2 cal/cm <sup>2</sup>
Flame Resistance (Vertical Flame Test)	ASTM D6413	4" or less of char length; 2.0 seconds or less of after flame; no melt no drip	Pass (0, 0, 0)	Pass (1", 0, 0)
Heat Shrink Resistance	None referenced	Less than 10% in any direction	Pass (-4.3%, -1.5%)	Pass (-3.4%, -1.6%)
Cleaning/Shrinkage Resistance	AATC 135, Machine Cycle I, Wash Temp IV, Drying Aiii	Shrinkage less than 5%	Pass (-3.8%, -2.9%)	Pass (-3.1%, -1.5%)
Seam Breaking Test	ASTM 1683	No minimum	51.5 / 47.3 lbf	66.18 / 53.8 lbf

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