



## STRENGTH IN BALANCE

### THERMAL PROTECTION OF PBI®

Made with PBI® fiber for exceptional thermal stability in high heat environments.

### EASE OF MOVEMENT

Kombat™ Flex provides the reassurance of durable protection with a fresh approach to flexibility.

### DURABILITY

DuPont™ Kevlar® fiber adds strength and abrasion resistance for added durability on the fire ground.

TECHNICAL DATA*	KOMBAT FLEX
Nominal Weight	6.9 osy (234 gsm)
Construction	Woven
Fiber Content	PBI , Para-Aramid
Finish	FreeFAST™
Certification	NFPA 1971

Composite Testing		
TPP NFPA 1971	UL Certified	Up To 52
THL NFPA 1971	UL Certified	Up To 303

Strength/Durability		
Trap Tear ASTM 5587, NFPA 1971 (Warp x Fill)	Initial	60 x 60 lbf (265 x 265 N)
	5x after wash	55 x 55 lbf (245 x 245 N)
Tensile Strength ASTM D5034 (Warp x Fill)	Initial	275 x 275 lbf (1,220 x 1,220 N)
	10x after wash	270 x 270 lbf (1,200 x 1,200 N)

Thermal Testing		
Thermal Shrinkage NFPA 1971	Initial	< 1.5 percent
	5x after wash	< 2.5 percent
Flammability - After Flame ASTM D6413	Initial	< 2.0 sec
	5x after wash	< 2.0 sec
Flammability - Char Length ASTM D6413	Initial	< 0.4 in (< 10 mm)
	5x after wash	< 0.8 in (< 20 mm)

\* All values subject to final certification and specification

\*\* Tested on specific colors

AVAILABLE COLORS	
Black	Natural

**Sunlight/UV Exposure Advisory:** Prolonged sunlight and UV exposure can be damaging to aramid fibers. Both natural (undyed) and dyed aramid fibers will fade or change color with exposure to sunlight or other UV sources. The thermal performance is not affected, but long term or repeated exposures will cause the fabric to gradually weaken. Garments should be stored so that they are protected from sunlight, including windows and bay doors, to maximize wear life. TenCate Protective Fabrics offers no warranties, implied or otherwise, for color change or fabric damage due to UV exposure.



TenCate Protective Fabrics  
is certified according:



All mentioned data must be considered as indicative values. To the best of our knowledge all information contained herein is accurate. TenCate Protective Fabrics declines any form of liability related to the use of the attached specimen that shall be regarded as a sample only and therefore not meant to be used in any form of garment making.