



## FRONT LINE PERFORMANCE

### PROTECTION IN ANY ENVIRONMENT

Dual certified for both Technical Rescue (NFPA 1951) and Wildlands (NFPA 1977) firefighting.

### WEARABLE DURABILITY

A specialized inherent FR blend that's engineered for durability and all-day comfort.

### AFFORDABLE PERFORMANCE

A Lenzing<sup>®</sup> FR Rayon, Nylon, Para-Aramid blend offers high-performance at an affordable price.

# DEFENDER®M

## Wildlands

TECHNICAL DATA*	DEFENDER®M 6.5 oz Woven Ripstop
Nominal Weight	6.5 osy (220 gsm)
Construction	Woven
Fiber Content	Lenzing® FR Rayon, Para-Aramid, Nylon
Finish	FreeFAST™
Certification(s)	NFPA 1951, NFPA 1977

### Flame Resistance

Vertical Flame ASTM 6413	Initial and 5x after wash	After flame	< 2.0 sec
		Char length	< 2.0 in (< 50 mm)
Thermal Shrinkage NFPA 2112	Initial and 5x after wash		< 10%

### Physical Testing

Tear Resistance NFPA 1951 8.7 (warp x fill)	Initial	73 x 44 N (>30 N)
	After Laundering	61 x 38 N (>30 N)
Breaking Strength NFPA 1951 8.8 (warp x fill)	Initial	834 N x 624 N (>400 N)
	After Wash	666 N x 512 N (>400 N)
Laundry Shrinkage NFPA 1951 8.1	After Wash	< 5%

### Comfort

Total Heat Loss NFPA 1951 8.6		Up to 670 (> 650)
Thermal Protective Performance NFPA 1951 8.2		29
Radiant Protective Performance NFPA 1977 8.2	Before Wash	8 (> 7)
	After Wash (5X)	8 (> 7)
Water Absorption Resistance Test NFPA 1951 8.13	After Wash (10X)	10 %

\* Appearance is dependent on shade of fabric.

### AVAILABLE COLORS

Black	Spruce Green	Light Gold
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**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.