

# | ADVANCE™



**TRUSTED TO  
PROTECT**

## **FIELD-PROVEN**

Trusted for over 20 years, Advance™ features a time-tested Nomex® / Kevlar® blend for field-proven performance.

## **WOVEN FOR STRENGTH**

A solid ripstop weave looks great while standing up to harsh environments in and around the fireground.

## **WIDE COLOR PALETTE**

Available in a wide range of colors for use in a wide range of industries.

# ADVANCE™

TECHNICAL DATA*	ADVANCE™
Nominal Weight	7.2 osy (244 gsm)
Construction	Woven-Ripstop
Color	Khaki, Gold, Yellow, Navy, Spruce Green, Black
Fiber Content	Meta Aramid, Para Aramid
Finish	FreeFAST™
Certification	NFPA 1971, NFPA 1975, NFPA 1977

## Flame Resistance

Vertical Flame NFPA 1971	After flame	< 2.0 sec
	Char length	< 2.0 in (50 mm)
Thermal Shrinkage NFPA 1971	Initial	< 1%
	5x After Wash	< 1%
Thermal Protective Performance NFPA 1971		Up to 50

## Physical Testing

Tensile Strength ASTM D5034 (Warp x Fill)	Initial	320 x 280 lbf (1,423 x 1,245 N)
	10x After Wash	290 x 260 lbf (1,290 x 1,156 N)
Elmendorf Tear ASTM D1424, warp x fill		45 x 35 lbf (200 x 150 N)
Trapezoid Tear ASTM D5587, warp x fill	Initial	50 x 40 lbf (222 x 178 N)
	5x After Wash	45 x 40 lbf (200 x 178 N)
Dimensional Stability AATCC 135		< 1%

## Comfort

Total Heat Loss NFPA 1977		Up to 522
Radiant Protective Performance NFPA 1977 8.2	Before Wash	8
	5x After Wash	9
Water Absorption AATCC 42	Before Wash	< 6%
	5x After Wash	< 10%

## Appearance Score 5 (best) to 1 (Worst)

Color Fastness	Laundry AATCC 61 3A Wash	Shade Change	5 *
	Crocking AATCC 8	Dry	5 *
		Wet	4-5 *

\* Appearance is dependent on shade of fabric.

## AVAILABLE COLORS

Khaki	Gold	Yellow	Navy	Spruce	Black
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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.