

| 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 and stands 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

Thermal Performance

Flame Resistance NFPA 1971	Before laundering and after 5 laundering cycles	Compliant
Thermal Shrinkage NFPA 1971	Before laundering	< 1%
	After 5 laundering cycles	< 1%
Thermal Protective Performance (TPP) ISO 17492		Up to 50
Radiant Protective Performance NFPA 1977 8.2	Before laundering	8
	After 5 laundering cycles	9

Physical Performance

Tensile Strength ASTM D5034, warp x fill	Before laundering	320 x 280 lbf (1,423 x 1,245 N)
	After 10 laundering cycles	290 x 260 lbf (1,290 x 1,156 N)
Elmendorf Tear ASTM D1424, warp x fill	Before laundering	45 x 35 lbf (200 x 150 N)
Trapezoid Tear ASTM D5587, warp x fill	Before laundering	50 x 40 lbf (222 x 178 N)
	After 5 laundering cycles	45 x 40 lbf (200 x 178 N)
Shrinkage AATCC 135	After 5 laundering cycles	< 1%
Water Absorption AATCC 42	Before laundering	< 6%
	After 5 laundering cycles	< 10%

Comfort

Total Heat Loss (THL) ASTM F1868	Up to 522
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AVAILABLE COLORS

Khaki	Gold	Yellow	Navy
Spruce	Black		

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.



STANDARD
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TenCate Protective Fabrics
is certified according:



Corporate
Social
Responsibility

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.