

**TenCate Protective Fabrics
Caldura® Elite with Nomex® Nano
Data Sheet**

GENERAL ATTRIBUTES

Nominal Weight (all layers).....6.7 osy (225 gsm)
Construction.....Woven facecloth quilted to non-woven batting
Colors.....Gold (facecloth)
Made in America.....Yes
Features.....COOLDERM™ Technology, Extraordinary Breathability
Fiber Content (facecloth).....Aramid, FR Rayon and FR Nylon
Fiber Content (batting).....DuPont™ Nomex® Nano and Aramid spun-lace
Quilt Thread.....Aramid
Certification(s).....NFPA 1971

FLAME RESISTANCE

Thermal Protective Performance (NFPA 1971)

Agility® & Gore® CROSSTECH® Black.....36 - 38
PBI® Stretch & Gore® CROSSTECH® Black.....37 - 39
Kombat™ Flex & Gore® CROSSTECH® Black.....36 - 38
Kombat™ Flex & Stedfast Stedair® Gold.....36 - 38
Pioneer™ & Gore® CROSSTECH® Black.....35 - 37

Total Heat Loss (NFPA 1971)

Agility® & Gore® CROSSTECH® Black.....300 - 320
PBI® Stretch & Gore® CROSSTECH® Black.....250 - 270
Kombat™ Flex & Gore® CROSSTECH® Black.....300 - 320
Kombat™ Flex & Stedfast Stedair® Gold.....285 - 305
Pioneer™ & Gore® CROSSTECH® Black.....300 - 320

Vertical Flame: After Flame (NFPA 1971, warp x fill)

Initial.....0 x 0 sec
After Wash (5X).....0 x 0 sec

Vertical Flame: Char Length (NFPA 1971, warp x fill)

Initial: Char length.....< 0.3 x < 0.8 in (< 8 x < 20 mm)
After Wash (5X): Char length.....< 0.3 x < 0.4 in (< 8 x < 9 mm)

Thermal Shrinkage (NFPA 1971, warp x fill)

Initial.....< 5.0 x 0.2 percent
After Wash (5X).....< 5.0 x 0.2 percent

PHYSICAL TESTING

Trapezoidal Tear (NFPA 1971, warp x fill)

Before Wash.....44 x 95 lbf (196 x 423 N)
After Wash (5X).....37 x 76 lbf (165 x 338 N)

Tensile Strength (NFPA 1971, warp x fill)

Initial.....144 x 358 lbf (641 x 1,592 N)
After Wash (5X).....163 x 425 lbf (725 x 1,890 N)

Laundry Shrinkage (AATCC 135).....< 5.0 percent

(continued)

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COMPOSITES SUMMARY

Breathability Performance

- Kombat™ Flex & Gore® CROSSTECH® Black
- Kombat™ Flex & Stedfast Stedair® Gold
- Agility® & Gore® CROSSTECH® Black
- Pioneer™ & Gore® CROSSTECH® Black

Balanced Performance

- PBI® Stretch & Gore® CROSSTECH® Black

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Date of this data: April 12, 2018

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