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)
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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