GENERAL ATTRIBUTES

Nominal Weight........................................6.6 osy (225 gsm)
Construction..............................................Woven (Twill)
Colors.........................................................Light Gold, Dark Gold, Black Gold
Made in America................................................Yes
Fiber Content.........................DuPont™ Kevlar®, DuPont™ Nomex®, Polyoxazole
Finish........................................................Super Shelltite™
Features..........................................................ENFORCE™ Technology
Certification(s)..........................NFPA 1971 (2013 & 2018 Editions)

FLAME RESISTANCE

Thermal Protective Performance (NFPA 1971)
Quantum3D® SL2 & Gore® CROSSTECH® Black..................42 - 46
Caldura® ELITE with Nomex® Nano & Gore® CROSSTECH® Black........36 - 38
Caldura® ELITE SL2 & Gore® CROSSTECH® Black...............40 - 44
Caldura® ELITE SL2 & Stedfast Stedair® 3000......................40 - 44
Defender® M SL2 & Gore® CROSSTECH® 3-Layer..................42 - 46
Defender® M NP & Gore® RT7100.................................42 - 46

Total Heat Loss (NFPA 1971)
Quantum3D® & Gore® CROSSTECH® Black........................240 - 260
Caldura® ELITE with Nomex® Nano & Gore® CROSSTECH® Black.....300 - 320
Caldura® ELITE SL2 & Gore® CROSSTECH® Black...............255 - 275
Caldura® ELITE SL2 & Stedfast Stedair® 3000......................255 - 275
Defender® M NP & Gore® CROSSTECH® 3-Layer..................215 - 235
Defender® M NP & Gore® RT7100.................................210 - 230

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.........................................................< 0.3 X < 0.3 in (< 8 x < 8 mm)
After Wash (5X)..............................................< 0.3 X < 0.3 in (< 8 x < 8 mm)

Thermal Shrinkage (NFPA 1971)
Initial..............................................................< 1.0 percent
After Wash (5X)................................................< 1.0 percent

Heat Resistance (NFPA 1971) ........................................Pass

PHYSICAL TESTING

Trapezoidal Tear (NFPA 1971, warp x fill)
Initial.............................................................65 x 61 lbf (289 x 271 N)
After Wash (5X)................................................55 x 66 lbf (245 x 294 N)

Tensile Strength (ASTM D5043), warp x fill)
Initial..........................................................459 x 462 lbf (2,042 x 2,055 N)
After Wash (10X)...........................................359 x 419 lbf (1,597 x 1,864 N)

(continued)
COMFORT

**Flexibility** (Shirley Stiffness Test, ASTM D 1388)

- Initial: 1,061
- After Wash (5X): 616

Lower is better. Average 7.2 osy traditional ripstop outer shell earns more than 4,000 in initial stiffness testing and about 1,000 after five launderings. Compared to TenCate Ultra™, Agility™ provides more than 30 percent more flexibility.

**Water Absorption** (AATCC 42)

- Before Wash: < 1.0 percent
- After Wash (5X): < 1.0 percent

COMPOSITES SUMMARY

- **Breathability Performance**
  - Caldura® ELITE with Nomex® Nano & Gore® CROSSTECH® Black

- **Balanced Performance**
  - Caldura® ELITE SL2 & Gore® CROSSTECH® Black
  - Quantum3D® SL2 & Gore® CROSSTECH® Black
  - Caldura® ELITE SL2 & Stedfast Stedair® 3000

- **Thermal Performance**
  - Defender® M NP & Gore® CROSSTECH® 3-Layer
  - Defender® M NP & Gore® RT7100

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Date of this data: April 25, 2018

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