

**TenCate Protective Fabrics
Defender® M SL2
Data Sheet**

GENERAL ATTRIBUTES

Nominal Weight (all layers).....7.8 osy (265 gsm)
Construction.....Woven facecloth quilted to non-woven batting
Colors.....Camouflage (green pattern) or Brass (yellow)
Made in America.....Yes
Features.....COOLDERM™ Technology
Fiber Content (facecloth).....Lenzing FR®, Aramid and FR Nylon
Fiber Content (batting).....Aramid spun-lace
Quilt Thread.....Aramid
Certification(s).....NFPA 1971

FLAME RESISTANCE

Thermal Protective Performance (NFPA 1971)
Advance™ PCA & Gore® CROSSTECH® Black.....42 - 44
Agility® & Gore® CROSSTECH® Black.....44 - 46
Kombat™ Flex & Gore® CROSSTECH® Black.....42 - 44
PBI® XT & Gore® CROSSTECH® Black.....42 - 44
PBI® XT & Stedfast Stedair® Gold.....42 - 44
Pioneer™ & Gore® CROSSTECH® 3-Layer.....44 - 46

Total Heat Loss (NFPA 1971)
Advance™ PCA & Gore® CROSSTECH® Black.....275 - 295
Agility® & Gore® CROSSTECH® Black.....220 - 240
Kombat™ Flex & Gore® CROSSTECH® Black.....220 - 240
PBI® XT & Gore® CROSSTECH® Black.....245 - 265
PBI® XT & Stedfast Stedair® Gold.....245 - 265
Pioneer™ & Gore® CROSSTECH® 3-Layer.....225 - 245

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.....< 0.6 x < 0.7 in (< 15 x < 18 mm)
After Wash (5X): Char length.....< 0.8 x < 0.7 in (< 20 x < 18 mm)

Thermal Shrinkage (NFPA 1971, warp x fill)
Initial.....< 4.0 x 6.0 percent
After Wash (5X).....< 4.0 x 6.0 percent

PHYSICAL TESTING

Trapezoidal Tear (NFPA 1971, warp x fill)
Before Wash.....67 x 43 lbf (298 x 191 N)
After Wash (5X).....73 x 55 lbf (325 x 245 N)

(continued)

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COMPOSITES SUMMARY

Breathability Performance

- Advance™ PCA & Gore® CROSSTECH® Black

Balanced Performance

- PBI® XT & Gore® CROSSTECH® Black
- PBI® XT & Stedfast Stedair® Gold

Thermal Performance

- Agility™ & Gore® CROSSTECH® Black
- Kombat™ Flex & Gore® CROSSTECH® Black
- Pioneer™ & Gore® CROSSTECH® 3-Layer

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Date of this data: April 20, 2018

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