

TenCate Protective Fabrics
Defender® M NP
Data Sheet

GENERAL ATTRIBUTES

Nominal Weight (all layers).....7.0 osy (235 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).....Needle-punch FR non-woven
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.....46 - 48
Pioneer™ & Gore® CROSSTECH® 3-Layer.....46 - 48

Total Heat Loss (NFPA 1971)

Advance™ PCA & Gore® CROSSTECH® Black.....220 - 240
Agility® & Gore® CROSSTECH® Black.....220 - 240
Pioneer™ & Gore® CROSSTECH® 3-Layer.....220 - 240

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.....< 0.5 x < 0.5 in (< 13 x < 13 mm)
After Wash (5X): Char length.....< 0.5 x < 0.5 in (< 13 x < 13 mm)

Thermal Shrinkage (NFPA 1971, warp x fill)

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

PHYSICAL TESTING

Trapezoidal Tear (NFPA 1971, warp x fill)

Before Wash.....25 x 25 lbf (111 x 111 N)
After Wash (5X).....30 x 40 lbf (133 x 188 N)

COMPOSITES SUMMARY

Thermal Performance

- Advance™ PCA & Gore® CROSSTECH® Black
- Agility™ & Gore® CROSSTECH® Black
- Pioneer™ & Gore® CROSSTECH® 3-Layer

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Date of this data: April 20, 2018

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