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)
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

Copyright © 2018 TenCate Protective Fabrics

Defender® M, COOLDERM™ Technology, Kombat™ Flex, Pioneer™, Advance™ PCA and Agility® are internationally registered trademarks of TenCate Protective Fabrics. PBI® is a registered trademark of PBI Performance Products Inc. Any other trademarks of companies or organizations included remain the copyright of that organization.

Date of this data: April 20, 2018

Any listed data or claims represent typical values. Results from multiple tests unless otherwise stated. TenCate Protective Fabrics assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by an independent investigation that the material can be used safely. TenCate Protective Fabrics describes only certain hazards but cannot guarantee these are the only hazards.

Content within is subject to change at the sole discretion of TenCate Protective Fabrics.

Any images, photography, swatch illustrations or color descriptions appear only as representative and are not intended for color shade matching or the exact size or shape of a weave or knit. Any fabric weights listed are nominal. If any of these matters are of a concern, please speak with your TenCate Protective Fabrics representative.