

# FABRIC DATA



| FABRIC PROPERTIES                               |                                          |  |                                                   |
|-------------------------------------------------|------------------------------------------|--|---------------------------------------------------|
| Fabric Nominal Weight                           |                                          |  | 6.6 osy (225 gsm)                                 |
| Special Feature                                 |                                          |  | TenCate ENFORCE™ Technology (Patent Pending)      |
| Fiber Blend                                     |                                          |  | DuPont™ Nomex® and Kevlar®                        |
| Weave                                           |                                          |  | Twill                                             |
| Colors                                          |                                          |  | Khaki, Light Gold, Black, Yellow and Spruce Green |
| Finish                                          |                                          |  | Super Shelltite™                                  |
| Made in America                                 |                                          |  | Yes                                               |
| Certifications                                  |                                          |  | NFPA 1971                                         |
| COMPOSITE TESTING                               |                                          |  |                                                   |
| TPP<br>NFPA 1971                                | Quantum3D® SL2i & Gore® Crosstech® Black |  | 41 to 43                                          |
|                                                 | Caldura® SL2i & Gore® Crosstech® Black   |  | 40 to 42                                          |
|                                                 | Defender® M & Stedfast Stedair® 4000     |  | 44 to 46                                          |
|                                                 | Defender® M & Stedfast Stedair® 3000     |  | 44 to 46                                          |
| THL<br>NFPA 1971                                | Quantum3D® SL2i & Gore® Crosstech® Black |  | 250 to 270                                        |
|                                                 | Caldura® SL2i & Gore® Crosstech® Black   |  | 270 to 290                                        |
|                                                 | Defender® M & Stedfast Stedair® 4000     |  | 220 to 240                                        |
|                                                 | Defender® M & Stedfast Stedair® 3000     |  | 220 to 240                                        |
| FABRIC STRENGTH                                 |                                          |  |                                                   |
| Taber Abrasion ASTM D3884                       |                                          |  | 3,000 cycles                                      |
| Trap Tear<br>ASTM 5587, NFPA 1971 (WARP x FILL) | Initial                                  |  | 45 x 45 lbf (200 x 200 N)                         |
|                                                 | 5X After Wash                            |  | 45 x 45 lbf (200 x 200 N)                         |
| Tensile Strength<br>ASTM 5034 (WARP x FILL)     | Initial                                  |  | 350 x 350 lbf (1,555 x 1,555 N)                   |
|                                                 | 10X After Wash                           |  | 350 x 350 lbf (1,555 x 1,555 N)                   |
| FLAME TESTING                                   |                                          |  |                                                   |
| Flame Resistance<br>ASTM D6413, NFPA 1971       | Initial                                  |  | 0.5 x 0.5 in (13 x 13 mm)                         |
|                                                 | 5X After Wash                            |  | 0.4 x 0.4 in (10 x 10 mm)                         |
|                                                 | After Flame                              |  | 0 x 0 seconds                                     |
| Thermal Shrinkage<br>NFPA 1971-2013             | Initial                                  |  | < 1.0%                                            |
|                                                 | 5X After Wash                            |  | < 1.0%                                            |
| WATER TESTING                                   |                                          |  |                                                   |
| Water Absorption Resistance<br>AATCC 42         | Initial                                  |  | < 5.0%                                            |
|                                                 | 5X After Wash                            |  | < 7.0%                                            |



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

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