

# | PIONEER



**PROTECTION YOU  
CAN TRUST.  
THE WEIGHT YOU  
PREFER.**

## **ENFORCE™ TECHNOLOGY MEANS BETTER STRENGTH IN A LIGHTWEIGHT FABRIC**

A highly engineered, innovative fabric design ensures a good range and ease of motion that firefighters need on the job.

## **TRUSTED FIBER BLEND MEANS ABSOLUTE PROTECTION**

DuPont® fibers mean a name firefighters know and trust and provides peace of mind while on the job.

## **LIGHTER WEIGHT REDUCES RISK OF HEAT STRESS**

Pioneer weighs in at 6.6 osy and is designed to be 10 percent lighter than comparable outer shells while still delivering the strength and durability that firefighters have come to expect from TenCate.

# PIONEER

| TECHNICAL DATA*                                    |                | TENCATE PIONEER                 |
|--|----------------|---------------------------------|
| Nominal Weight                                     |                | 6.6 osy (225 gsm)               |
| Construction                                       |                | Woven (Twill)                   |
| Made in America                                    |                | Yes                             |
| Finish   |                | Super Shelltite™                |
| Certification                                      |                | NFPA 1971, NFPA 1977, NFPA 1951 |
| <b>Composite Testing</b>                           |                |                                 |
| TPP NFPA 1971                                      | UL Certified   | Up To 47                        |
| THL NFPA 1971                                      | UL Certified   | Up To 303                       |
| <b>Strength/Durability</b>                         |                |                                 |
| Trap Tear<br>ASTM 5587, NFPA 1971<br>(Warp x Fill) | Initial        | 50 x 40 lbf (222 x 178 N)       |
|  | 5x after wash  | 45 x 40 lbf (200 x 178 N)       |
| Tensile Strength<br>ASTM D5034<br>(Warp x Fill)    | Initial        | 390 x 350 lbf (1,735 x 1,557 N) |
|  | 10x after wash | 350 x 300 lbf (1,557 x 1,334 N) |
| <b>Thermal Testing</b>                             |                |                                 |
| Thermal Shrinkage<br>NFPA 1971                     | Initial        | < 1.0 percent                   |
|  | 5x after wash  | < 1.0 percent                   |
| Flammability - After Flame<br>ASTM D6413           | Initial        | < 2.0 sec                       |
|  | 5x after wash  | < 2.0 sec                       |
| Flammability - Char Length<br>ASTM D6413           | Initial        | < 1.0 in (< 25.0 mm)            |
|  | 5x after wash  | < 1.0 in (< 25.0 mm)            |

\* All values subject to final certification and specification

\*\* Tested on specific colors

| AVAILABLE COLORS                      |  |   |
|---------------------------------------|--|---|
| <div>Khaki</div> <div>Dark Gold</div> | <div>Light Gold</div> <div>Black</div> <div>Yellow</div> | <b>Sunlight/UV Exposure Advisory:</b> Prolonged sunlight and UV exposure can be damaging to aramid fibers. Both natural (undyed) and dyed aramid fibers will fade or change color with exposure to sunlight or other UV sources. The thermal performance is not affected, but long term or repeated exposures will cause the fabric to gradually weaken. Garments should be stored so that they are protected from sunlight, including windows and bay doors, to maximize wear life. TenCate Protective Fabrics offers no warranties, implied or otherwise, for color change or fabric damage due to UV exposure. |
|                                       |  |   |

All mentioned data must be considered as indicative values. To the best of our knowledge all information contained herein is accurate. TenCate Protective Fabrics declines any form of liability related to the use of the attached specimen that shall be regarded as a sample only and therefore not meant to be used in any form of garment making.