



## THE APEX OF PERFORMANCE

### EXCEPTIONAL THERMAL PROTECTION

PBI® Peak5® boasts a high percentage of PBI® fibers, providing extreme levels of thermal stability. Offering compliance with global standards, this innovative outer shell is certified to NFPA 1971, EN 469, and ASNZ 4967.

### SUPERIOR DURABILITY

This groundbreaking outer shell is made with Enforce™ technology, a patented construction innovation that delivers industry-leading levels of strength.

### BETTER RANGE OF MOTION

Featuring a 180 gsm (5.3 osy) Peak Twill construction, PBI® Peak5® offers firefighters less bulkiness for maximum flexibility, more range of motion, and increased levels of comfort on the job.

| TECHNICAL DATA*    | PBI® PEAK5              |
|--------------------|-------------------------|
| Weight             | 180 gsm (5.3 osy)       |
| Composition        | Kevlar®, PBI®, Antistat |
| Construction       | Twill                   |
| Available finishes | DWR F-EN or FreeFAS™    |

## Thermal Performance

|  |  |               |
|--|--|---------------|
| Flame Spread<br>EN ISO 15025:2016                | After 5 Laundering Cycles                            | Compliant     |
| Residual Tensile Strength<br>EN ISO 13934-1:2013 | After 5 Laundering Cycles & Exposure to Radiant Heat | 2260 x 1900 N |
| Heat Resistance<br>ISO 17493:2016 (180 °C)       | After 5 Laundering Cycles                            | ≤ 2%          |

## Physical Performance

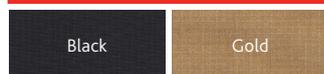
|  |                           |                 |
|--|---------------------------|-----------------|
| Tensile Strength<br>EN ISO 13934-1:2013                    | After 5 Laundering Cycles | 2900 x 2860 N   |
| Tear Strength<br>EN ISO 13937-2:2000                       | After 5 Laundering Cycles | 236 x 191 N     |
| Abrasion Resistance<br>AS 2001.2.25.2                      | After 5 Laundering Cycles | ≥ 35,000 cycles |
| Surface Wetting<br>ISO 4920:2012                           | After 5 Laundering Cycles | 5               |
| Resistance to Penetration of Chemicals<br>EN ISO 6530:2005 | After 5 Laundering Cycles | Compliant       |
| Dimensional Change (Shrinkage)<br>EN ISO 5077:2007         | After 5 Laundering Cycles | ≤ 1%            |
| Innocuousness<br>ISO 13688:2013                            | Before                    | Compliant       |

## CERTIFICATION\*

|   |                       |  |
|---|-----------------------|--|
|  | Fire Fighting         | EN 469: 2020, ASNZ 4967: 2019, NFPA 1971: 2018 |
|  | Antistatic Properties | EN 1149-5: 2018                                |

\*Laundering conducted in accordance to standard EN ISO 6330:2005, 4N, 40 °C, Drying procedure F (type A1 tumble drying), exhaust temperature normal (min 40 C, max 80 C). Radiant Heat conducted in accordance to EN ISO 6942: 2002, Method A

## COLOURS



**Sunlight/UV Exposure Advisory:** 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.

TenCate Protect B.V. is certified according:

Member of the E.T.S.A.



All mentioned data must be considered as indicative values. To the best of our knowledge all information contained herein is accurate. TenCate Protective Fabrics Europe 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.