

| TECASAFE® PLUS



**MAKE ANY
CONDITION YOUR
COMFORT ZONE**

Tecasafe® Plus 850

COOL, DRY, AND COMFORTABLE

Integrated wicking Coolderm™ technology offers enhanced moisture management to promote body temperature regulation and breathability.

COLOR AND CONFIDENCE

Tecasafe® Plus stands up to repeated laundering and resists fading in both light shades and Truecolor™ technology-powered dark shades.

ECO-FRIENDLY

Features sustainably-sourced, eco-friendly TENCEL™ Lyocell, with EPD® for measurable impact.

TECASAFE® PLUS

| TECHNICAL DATA* | TECASAFE® PLUS 850 TRUECOLOR |
|------------------|---------------------------------|
| Nominal Weight | 8.5 osy (288 gsm) |
| Construction | Woven |
| Color | Navy, Charcoal |
| Fiber Content | Modacrylic, Lyocell, Aramid |
| Certification(s) | NFPA 2112, NFPA 1975, ASTM 1506 |

| Thermal Testing (Flame Resistance) | | | |
|---|-----------------------------|------------------------|-------------------|
| Manikin Burn NFPA 2112 | Predicted Body Burn | Pass | |
| Arc Thermal Protective Rating (ATPV) NFPA 70E, ASTM 1959 | ATPV Rating | 12 cal/cm ² | |
| | PPE Category | Category 2 | |
| Vertical Flame ASTM 6413, NFPA 2112 | Initial and 100x after wash | After flame | < 2.0 sec |
| | | Char length | < 4.0 in (100 mm) |
| Thermal Shrinkage NFPA 2112 | Initial and 3x after wash | < 10 % | |

| Physical Testing | | |
|---|-----------------------|----------------------------|
| Tensile Strength ASTM D5043 | Initial (warp x fill) | 145 x 90 lbf (645 x 400 N) |
| Elmendorf Tear ASTM D1424 | Initial (warp x fill) | 10 x 8 lbf (45 x 35 N) |
| Dimensional Stability AATCC 135 | < 4.0 % | |
| Seam Strength ASTM D434, Force at 0.25 in slippage | 50 lbf (223 N) | |

| Comfort | |
|-------------------------------|---|
| Air Permeability ASTM D737 | 39 ft ² /min/ft ³ |

| Appearance *Score 5 (best) to 1 (Worst) | | | |
|---|----------------------------------|-----------------|-------------|
| Color Fastness | Laundering AATCC 61 2A | Shade Change | Up to 4-5 * |
| | Xenon Light Exposure AATCC 16 | After 20 Hours | Up to 4-5 * |
| | Pilling Resistance ASTM D3512 | Initial: 60 min | Up to 5 * |

* All values subject to final certification and specification. Tested on specific colors. Appearance is dependent on shade of fabric. TENCEL™ is a trademark of Lenzing AG

| AVAILABLE COLORS | OPTIONAL COLORS |
|------------------|-----------------|
|------------------|-----------------|



Additional color options may be available. Please contact TenCate Protective Fabrics for more information.

Color shades and textures may vary. Please contact your sales representative for swatch samples.



TenCate Protective Fabrics is certified according to:



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.