

| TECASAFE® ONE



INHERENT FLAME RESISTANT FABRIC FOR ALL

TECASAFE® ONE
195 gsm (5.7 osy)

PREMIUM PROTECTION FOR LESS

TECASAFE® ONE is American-made, UL certified to NFPA 2112, Category 2 arc rated, and every garment comes with hang tags and labels, all at an affordable price.

LIGHT AND COMFORTABLE

TECASAFE® fabrics are engineered with moisture absorbing and quick-drying fibers to absorb and release sweat quickly keeping wearers cool and dry. This continuous moisture movement is called active moisture wicking which encompasses COOLDERM™ technology.

DURABLE FLAME RESISTANCE

TECASAFE® ONE is inherently flame resistant meaning the flame resistance protection will never wash or wear out.

TECASAFE® ONE

| TECHNICAL DATA | | TENCATE TECASAFE® ONE |
|--|-------------------------|---|
| Nominal Weight | | 195 gsm (5.7 osy) |
| Construction | | Twill |
| Colors | | Denim Navy, Khaki, Light Gray, Gray, Orange, Light Blue, Royal Blue, Red, Yellow, Spruce Green, Hi-Vis Yellow |
| Fiber Content | | Lyocell, Modacrylic, Aramid |
| Certification/Compliant | | NFPA 2112, ASTM 1506, NFPA 70E, AS/NZS 1906.4, ANSI/ISEA 107-2015 |
| Flame Resistance | | |
| Manikin Burn Predicted Body Burn | NFPA 2112 | < 20% |
| Arc Thermal Performance Value or ATPV PPE Category | NFPA 70E, ASTM 1959 | 8.2 cal/cm ² Category 2 |
| Vertical Flame Initial: After flame Initial: Char Length 100x After Wash: After flame 100x After Wash: Char Length | ASTM 6413, NFPA 2112 | < 2.0 sec < 4.0 in (100 mm) < 2.0 sec < 4.0 in (100 mm) |
| Thermal Shrinkage Initial 3x After Wash | NFPA 2112 | < 10 percent < 10 percent |
| Strength/Durability | | |
| Tensile Strength Initial (warp x fill) | ASTM D5043 | 490 x 400 N |
| Elmendorf Tear (warp x fill) | ASTM D1424 | 31 x 33 N |
| Dimensional Stability | AATCC 135 | < 5.0 percent |
| Comfort | | |
| Air Permeability | ASTM D737-96 | 66 cc/sec |
| Appearance | | |
| Color Fastness Laundering Shade Change (Score 5: Best to 1: Worst) | AATCC 61 2A | Up to 4* |
| Xenon Light Exposure After 20 hours (Score 5: Best to 1: Worst) | AATCC 16 | Up to 4.5* |
| Pilling Resistance Initial: 60 minutes (Score 5: Best to 1: Worst) | ASTM D3512 | Up to 5* |

*Appearance depends on shade.

| STANDARD COLOURS | | | | | |
|------------------|--------------|------------|------------|---------------|------|
| Light Blue | Spruce Green | Denim Navy | Royal Blue | Khaki | Gray |
| Orange | Red | Yellow | Light Gray | Hi Vis Yellow | |

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.

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.