

# TECASAFE® PLUS

TechT5™



## NEXT-TO-SKIN FLASH FIRE PROTECTION

### **NFPA-CERTIFIED BASE LAYER PROTECTION**

This versatile fabric serves as a comfortable FR base layer as well as an outer layer, thanks to full NFPA 2112 certification.

### **COOL, DRY, AND COMFORTABLE**

Integrated wicking COOLDERM™ Technology offers enhanced moisture management to promote body temperature regulation and breathability.

### **A MULTI-LAYERED APPROACH**

The base component of the multi-layer FR system, TechT5™ offers comfort and protection next-to-skin protection against flash fire.

# TECASAFE® PLUS

## TechT5™

TECHNICAL DATA*		Tecasafe® Plus TechT5™
Nominal Weight		5.4 osy (183 gsm)
Construction		Jersey Knit
Colors		Navy, Heather Gray
Fiber Content		Aramid, Lyocell, Modacrylic
Certification (s)		ASTM 1506, NFPA 1975, NFPA 2112
<b>Flame Resistance</b>		
Manikin Burn Predicted Body Burn	NFPA 2112	Pass
Energy Breakopen Threshold PPE Category	NFPA 70E, ASTM 1959	PPE Category 1
Vertical Flame Initial: After flame Initial: Char length After 100x Wash: After flame After 100x 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% < 10%
<b>PHYSICAL TESTING</b>		
Breaking Strength – Ball Method	ASTM D 3787	355 N
Breaking Strength – Ball Method	ASTM D 3786	525 kPa
Dimensional Stability	AATCC 135	< 4.5 %
<b>APPEARANCE*</b>		
Color Fastness Laundering Shade Change Score 5 (Best) to 1 (Worst)	AATCC 61 2A	Up to 4-5 *
Xenon Light Exposure After 40 AFU Score 5 (Best) to 1 (Worst)	AATCC 16	Up to 4 *

\* Appearance is dependent on shade of fabric

STANDARD COLORS		
		<p><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.</p>

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.