

# | **TECASA**SAFE® PLUS



**ENGINEERED  
FOR THE  
FIRE SERVICE**

## **Tecasafe®Plus 670**

### **THE COLOR YOU WORE THE FIRST TIME, EVERY TIME**

Best colorfastness available in the market.

### **PROTECTION THAT LASTS FOREVER**

Inherent FR protection from a name you know and trust.

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

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

# TECASAFE® PLUS

TECHNICAL DATA*	TECASAFE® PLUS 670 SP
Nominal Weight	6.7 osy (227 gsm)
Construction	Knit
Color	Navy, Heather Gray, Gray, Black
Fiber Content	Modacrylic, Lyocell, Aramid
Certification(s)	ASTM 1506, NFPA 1975, NFPA 2112

## Thermal Testing (Flame Resistance)

Manikin Burn	Predicted Body Burn	Pass
Energy Breakopen Threshold NFPA 70E	ATPV Rating	8.2 cal/cm <sup>2</sup>
	PPE Category	Category 2
Vertical Flame	Initial and 100x after wash	< 2.0 sec
	Char length	< 4.0 in (100 mm)
Thermal Shrinkage	Initial and 3x after wash	< 10 %

## Physical Testing

Burst Strength – Ball Method		105 lbf (460 N)
Burst Strength – Mullen Method		100 psi (675 kPa)
Dimensional Stability AATCC 135		< 5.0 %
Fabric Stretch and Recovery warp x fill	Fabric Stretch	32 % x 20 %
	Fabric Recovery	90 % x 94 %

## Comfort

Air Permeability	170 ft <sup>3</sup> /ft <sup>2</sup> /min
------------------	---

## Appearance \*Score 5 (best) to 1 (Worst)

Color Fastness Laundering	Shade Change (AATCC 61 2A)	Up to 4 - 5 *
	Shade Change (AATCC 61 3A)	Up to 4 *
Xenon Light Exposure AATCC 16	After 20 hours	Up to 4 - 5 *
	After 40 hours	Up to 4 - 5 *
	After 60 hours	Up to 4 *
Pilling Resistance	Initial: 60 min	Up to 4 *

\* All values subject to final certification and specification. Tested on specific colors. Appearance is dependent on shade of fabric.

## AVAILABLE COLORS

Navy	Heather Gray	Gray	Black
------	--------------	------	-------

## OPTIONAL COLORS

TenCate Protective Fabrics, the world's textile dyeing expert, can produce almost every color with a minimum quantity of 3000 yards. Smaller quantities can be ordered, subject to a surcharge. For more information, please contact TenCate Protective Fabrics.



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.