

# TUFFWELD®

**ENGINEERED  
ESPECIALLY FOR  
WELDERS**

**TUFFWELD®**  
**8.5 osy (290 gsm)**

## **SUPERIOR STRENGTH AND PROTECTION**

Engineered to provide outstanding strength and protection from heat and flame, arc radiation and burns caused by sparks or weld splatter

## **EXCEPTIONAL SOFTNESS**

Lenzing FR™ provides excellent wicking and breathability

## **EXCELLENT VALUE**

Long-lasting, durable protection that outlasts chemically treated cotton

# TUFFWELD®

TECHNICAL DATA	TENCATE TUFFWELD®
Nominal Weight	8.5 osy (290 gsm)
Construction	Twill
Colors	Brown
Fiber Content	Aramid, Rayon
Certification/Compliant	NFPA 2112, ASTM F1506

Flame Resistance		
Manikin Burn Predicted Body Burn	NFPA 2112	Pass
Arc Thermal Performance Value or ATPV ATPV Rating PPE Category	NFPA 70E, ASTM 1959	9.2 cal/cm <sup>2</sup> Category 2
Vertical Flame Initial: After flame Initial: Char Length 100x After Wash: After flame 100x After Wash: Char Length	ASTM D6413, 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%

Strength/Durability		
Tensile Strength Initial (warp x fill)	ASTM D5034	975 x 600 N (220 x 135 lbf)
Elmendorf Tear (warp x fill)	ASTM D1424	90 x 70 N (20 x 16 lbf)
Dimensional Stability	AATCC 135	< 3%
Seam Stability	ASTM D434, Force at 0.25 in slippage	200 N (45 lbf)

Comfort/Appearance		
Air Permeability	ASTM D737	25 ft <sup>3</sup> /ft <sup>2</sup> /min
Color Fastness (Score 5: Best to 1: Worst) Laundering Shade Change	AATCC 61 2A	Up to 4*
Xenon Light Exposure (Score 5: Best to 1: Worst) After 40 AFU	AATCC 16	Up to 3*
Pilling Resistance Initial 60 min	ASTM D3512	Up to 2*

\* Appearance depends on shade of fabric.  
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STANDARD COLOURS	OPTIONAL COLOURS
Brown	TenCate, the world's textile dyeing expert, can produce almost every colour with a minimum quantity of 3000 metres. Smaller quantities can be ordered, subject to a surcharge. For more information about colour-combination requirements, as well as any other information you may need, please contact TenCate.



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