

OMNIWEAVE™



**TIME-TESTED
DURABILITY**

Omniweave™ 600

TRUSTED NOMEX® CONSTRUCTION

Trusted for over 50 years, Nomex® fiber construction offers wearers leading inherent FR protection against heat and flame.

MADE FOR EXTREME THERMAL RISKS

Engineered for the demanding environments around oil & gas and chemical industries, Omniweave™ stands up to ever-present thermal threats.

WASH AND WEAR RESILIENCE

Inherent FR protection means long-lasting protection that will never wash out or wear away.

OMNIWEAVE™

TECHNICAL DATA*	OMNIWEAVE™ 600
Nominal Weight	6.0 osy (203 gsm)
Construction	Woven
Color	Red, Orange, Yellow, Royal, Navy, Spruce, Gray, Black, Dark Navy, and F.S. Navy
Fiber Content	Aramid, Anti-Stat
Certification(s)	ASTM 1506, NFPA 1975, NFPA 1977, NFPA 2112, CGSB 155.20, ISO 11612

Thermal Testing (Flame Resistance)

Manikin Burn CGSB 155.20, NFPA 2112	Predicted Body Burn	Pass
Arc Thermal Performance Value NFPA 70E, ASTM 1959	ATPV Rating	5.7 cal/cm ²
	PPE Category	Category 1
Vertical Flame ASTM 6413	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 D5034, warp x fill	243 x 140 lbf (1,080 x 625 N)
Elmendorf Tear ASTM D1424, warp x fill	14.2 x 7.6 lbf (63 x 34 N)
Dimensional Stability AATCC 135	< 3.0 %
Seam Strength ASTM D434, Force at 0.25 in slippage	45 lbf (200 N)

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

Color Fastness Laundering AATCC 61 2A, AATCC 61 3A	Shade Change	Up to 4 (AATCC 61 2A) — Up to 4 - 5 (AATCC 61 3A) *
Xenon Light Exposure AATCC 16	After 20 hours	Up to 4 (20 hours) — Up to 3 - 4 (40 hours) — Up to 3 (60 hours) *
Pilling Resistance ASTM D3512	Initial: 60 min	Up to 5 *
Crocking AATCC 8	Wet	Up to 4.5 *
	Dry	Up to 5 *

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

AVAILABLE COLORS

Red	Orange	Yellow	Royal	Navy
Spruce	Gray	Black	Dark Navy	FS Navy

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.