

| ARAMID



TIME-TESTED DURABILITY

Omniweave™ 600/Genesis® 600

MADE FOR THERMAL RISKS

This aramid fabric's time-tested construction offers wearers reliable inherent FR protection against heat and flame.

DURABILITY AND STRENGTH

Tough enough for rugged environments, our aramid fabrics stand up to the uniquely dangerous environments professionals face on the job.

TRUSTED LEGACY

A time-tested solution, industrial professionals around the globe have put their trust in the performance of aramid fabrics for over 50 years.

ARAMID

TECHNICAL DATA*	OMNIWEAVE™ 600 / GENESIS® 600
Nominal Weight	6.0 osy (203 gsm)
Construction	Woven
Color	Red, Orange, Yellow, Royal, Navy**, Spruce, Gray, Black, Dark Navy, F.S. Navy, Sage
Fiber Content	Aramid, Anti-Stat
Certification	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
Thermal Protective Performance NFPA 70E, ASTM 1959	ATPV Rating	5.7 cal/cm ²
	PPE Category	Category 1
Vertical Flame ASTM 6413, NFPA 2112	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, (Wrap x Fill)	14.2 x 7.6 lbf (63 x 34 N)
Dimensional Stability	AATCC 135	< 3.0%
Seam Stability	ASTM D434, Fource at 0.25 in slippage	45 lbf (200 N)

Appearance Score 5 (best) to 1 (Worst)

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

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

** This product family has achieved or is in the process of achieving this third-party safety standard in every color and finish.

AVAILABLE COLORS

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

OPTIONAL COLORS

Additional color options may be available. Please contact TenCate Protective Fabrics for more information.

Color shades and textures may vary. Please contact your sales representative for swatch samples.



STANDARD
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TenCate Protective Fabrics
is certified according:



Corporate
Social
Responsibility

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.