



MAX PROTECTION, MAX DURABILITY, MAX COMFORT... JOIN THE REVOLUTION. WEAR PBI MAX™

Ask any firefighter what they look for in an outer shell and they will mention the same three things: Protection, Durability and Comfort. To improve on PBI Matrix® and design a fabric with even better performance was thought by many to be just science fiction. That is until, we saw into the future.

Safety Components is proud to introduce the next generation in a stellar history of PBI outer shell fabrics: PBI Max™. The PBI Max patent pending design offers fire fighters the best combination of break open and thermal protection, the strongest outer shell fabric in the world, and the most flexible and comfortable outer shell fabric the fire service has ever seen.

PBI Max is the only outer shell that delivers triple-threat performance – unmatched protection, unmatched durability, and unmatched comfort.

PBI Max is backed by the WORLD'S FIRST PBI 5 YEAR WARRANTY.



“ 70%

of the Top 10

Metro Cities specify

Safety Components

protective fabrics. ”



SAFETY COMPONENTS

PROVEN PROTECTION. PROVEN PERFORMANCE. PROVEN DURABILITY.

		TENCATE GEMINI™ XT	TENCATE MILLENIA™ XT
Weight (osy)	7.0	7.5	7.5
Tear Strength (lbs.) As Received	236	55	83
Tear Strength (lbs.) Post 120 Hours UV	93	26	20
Tear Strength (lbs.) Post 10 Sec. TPP	50	8	21
Fabric Flexibility Scale of 1-5	3 Supple	5 Stiff	5 Stiff
Berry Compliant (Fully "Made in the U.S.A.")	Yes	No	No

All Trap Tear data points (ASTM-D-5587) were generated by certified and independent labs.
 **All values denote the lowest data point in the warp or fill direction of the fabric.



BLEND: 70% "PBI Dominant" PBI/DuPont™ Kevlar® spun yarns, 30% 600 denier DuPont™ Kevlar® Filament

WEIGHT: 7.0 oz. (sq. yd.)

WEAVE: Comfort Twill

COLOR: Gold and Black

FINISH: DuPont™ Teflon® F-PPE



Join Us In Supporting "Made in the U.S.A."

We have heard the call from the North American Fire Service with the desire to buy products made in North America. That is why Safety Components is dedicated to supporting Berry Compliant (made in U.S.A if possible) fibers/fabrics whenever and wherever possible.

Make sure you know where the fibers and fabrics you specify come from. There are only a few premium outer shell warranties offered in North America and only Safety Components can claim 100% compliance with the Berry Amendment...see examples below:

1. Safety Component's PBI Max constructed with 100% PBI and Dupont Kevlar fibers made in the U.S.A. Berry Compliant - Yes.
2. Tencate Gemini™ XT with Matrix® Technology outer shell fabric constructed with PBI and Dupont Kevlar fibers made in the U.S.A. and a proprietary filament grid made in part in Japan. Berry Compliant - No.
3. Tencate Millenia™ XT outer shell fabric constructed with 100% Zylon®/PBO** and Para-Aramid fibers made in part or in whole in Japan. Berry Compliant - No.

**Tencate Advance Ultra also contains Zylon/PBO fiber- also non Berry Compliant.

Join us in supporting "Made in U.S.A." Demand Berry Compliant fabrics.

PBI Max, Breaking all the rules

Listed below are a few ways in which PBI Max goes against the laws of conventional thinking and laboratory testing:

1. **Tensile Strength:** Modern day laboratory equipment shows excellent tensile strength of 486 lbs. for PBI Max. If that equipment could hold the fabric in place however it would be over 1,000 lbs.
2. **TPP (Thermal Protective Performance):** Historical TPP testing would tell you that if you lower the weight of a fabric the thermal protection would also be lowered...enter PBI Max. An anomaly, PBI Max has the highest thermal protection of any PBI fabric, all achieved at a lower weight.

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Safety Components maintains ISO 9001:2000, TS 16949 and ISO 14001 certifications. Our fabric testing laboratories are ISO 1725 approved, ASTM (North America), DIN (Europe), JIS (Asia), and NFPA certified. Throughout our 100 year history, Safety Components has developed a reputation for product quality, product innovation, product diversity and on-time delivery.

PBI Max is a trademark, and PBI Matrix, Matrix Technology, PBI Gold and PBI Gold Plus are registered trademarks of PBI Performance Products Inc.

Gemini XT and Millenia XT are trademarks of TenCate Protective Fabrics. TenCate is a trademark of Royal Ten Cate.

KEVLAR and NOMEX are DuPont registered trademarks.

Teflon is a registered trademark of DuPont.

DuPont™ **Nomex** | DuPont™ **Kevlar**®

A Proud
Supporter Of



Kevlar Filament Reinforced Fabrics: The Best Made Better

PBI Max incorporates 30% 600 denier DuPont Kevlar filaments (3 times more DuPont Kevlar filament rip-stopping power than competitive PBI outer shells). In addition to triple the DuPont Kevlar filament content, PBI Max exclusively uses 600 denier ballistic DuPont Kevlar filament. The powerful combination of this design increases PBI Max's tear resistance beyond historic comprehension; up to 4 times greater trap tear strength than competitive PBI fabrics. For maximum durability against the hazards firefighters see day-in and day-out (radiant heat, laundering, ultraviolet light), specify PBI Max outer shell.

DuPont™ Teflon® F-PPE

Our patented DuPont Teflon F-PPE finish delivers the world's best durable water repellent finish for drier, lighter, more durable gear. Drier gear means reduced water absorption, lighter weight, and faster drying times. It also means drier gear for your second and third run of the day. Lower your workload and put more energy toward fighting the fire with less stress.



an  company
open the future™