



REINFORCED WITH 600 DENIER CABLES OF DUPONT™ KEVLAR®

Cities that respond more...require more. They require an outer shell that is stronger and remains service worthy, resisting tears, abrasion and break open long after other fabrics would fail. That's why more metropolitan cities choose...PBI Matrix® reinforced with 600 Denier Cables of DuPont™ Kevlar®...the strongest, most durable fibers in firefighting today. These cables provide the ultimate ripstopping power...50% stronger than the 400 denier yarns used in Gemini™ with Matrix® Technology. PBI Matrix reinforced with 600 denier cables of Kevlar is worn by more top metro cities than any other PBI product.

Better, drier, stronger than ever – specify the very best for America's bravest, PBI Matrix.



“ 70%
of the Top 10
Metro Cities specify
Safety Components
protective fabrics. ”

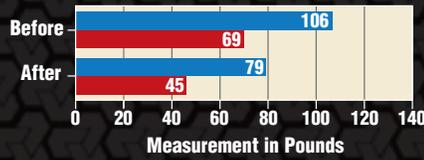


PROVEN PROTECTION. PROVEN PERFORMANCE. PROVEN DURABILITY.

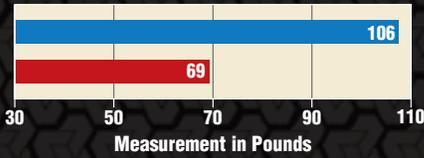
PRODUCT COMPARISON COLOR KEY:

- PBI MATRIX® WITH 600 DENIER CABLES OF KEVLAR®
- GEMINI® WITH 400 DENIER YARN

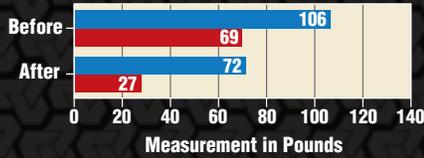
TRAP TEAR STRENGTH AFTER SIXTY SECONDS OF RADIANT HEAT
(In Accordance with ASTM-D-5587)



INITIAL TRAP TEAR STRENGTH
(In Accordance with ASTM-D-5587)



TRAP TEAR STRENGTH AFTER SIXTY HOURS OF UV EXPOSURE
(In Accordance with ASTM-D-5587)



- FIBER BLEND:** 60% DuPont™ Kevlar®
40% PBI Gold Plus®
- WEIGHT:** 7.25 oz. (sq. yd.)
- WEAVE:** Plain Weave
- COLOR:** Gold and Black
- FINISH:** DuPont™ Teflon® F-PPE

600 Denier Cables of Kevlar

The term “denier” refers to filament size. For a given polymer, strength is directly related to denier. 600 denier yarn is 50% stronger than 400 denier yarn. That’s why the 600 denier cables of Kevlar in our PBI Matrix provide the ultimate rip-stopping power. No other outer shell fabric on the market offers such high reinforcements against tearing while providing the ultimate in protection against heat and flames.

Lasting Value – Tough Against Rips and Tears

Virtually all protective fabrics start out strong. But wear and tear, laundering, radiant heat and ultraviolet light can damage an outer shell fabric. Many just don’t hold up over the long haul. However, standard industry tests prove that PBI Matrix with 600 denier cables of Kevlar remains strong and service worthy, resisting rips, abrasion and break open, long after other fabrics have failed. But more important than its long wear life, the value of PBI Matrix is the assurance that, on the job, your outer shell is reinforced for maximum protection and superior performance.

Proven Performance at Top Cities

PBI Matrix with 600 denier cables of Kevlar is worn every day at more top metropolitan cities than any other PBI product. Proven protection, proven durability, proven performance.

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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. We are the only company in our industry with global certification capability. Throughout our 85 year history, Safety Components has developed a reputation for product quality, product innovation, product diversity and on-time delivery.

This fabric is made under the Matrix Technology License from PBI Performance Products, Inc. U.S. Patent No. 6,624,096 and other U.S. and foreign patents pending. PBI Matrix, Matrix Technology and PBI Gold are registered trademarks of PBI Performance Products, Inc. and are used with permission.

TenCate is a trademark of Royal Ten Cate. Gemini is a registered trademark of TenCate Protective Fabrics.

KEVLAR is a DuPont registered trademark.

Protection Perfected

PBI Matrix does it all. It is a formidable barrier offering protection against heat and flame. It will not shrink or become brittle after exposure to heat and flame. It sheds water and dries rapidly. In use, it remains lightweight, pliable, strong and comfortable. Now, with PBI Matrix reinforced with a grid of 600 denier Kevlar cables, resistance to rips, tears and abrasion is taken to a whole new level.

This revolutionary outer shell fabric is available in natural gold or traditional black. PBI Matrix with 600 denier cables of Kevlar – reinforced protection...reinforced perfection. Safety Components has added a new luster to the Gold Standard.



A Proud
Supporter Of



DuPont™
Kevlar®



an **itg**™ company
open the future™