

## Partnering In Pursuit Of Fresh Innovations

We are ready to work with you to cultivate a knowledge-sharing partnership in the pursuit of fresh innovations in armor solutions. By collaborating together, we can create the optimum protection for those we revere the most - the brave men and women who protect and serve. Contact BGF's Protective Fabrics Team at 1-800-476-4845 and begin developing the next generation of protective armor.

**BGF Industries, Inc.**  
a PORCHER INDUSTRIES company

BGF Industries, Inc.

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# Innovative Protective Armor Solutions



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## Providing A Fresh Perspective

BGF Industries strongly believes that collaboration is the key to innovative Research and Development. BGF's experienced and knowledgeable Protective Fabrics Team collaborates with customers and suppliers to create new body armor solutions. Partner with us to develop a unique hybrid solution that targets the stringent requirements of the new NIJ0101.06 Standard.



## Capabilities

BGF has state-of-the-art, ISO 9002 certified manufacturing operations capable of producing a wide range of technical fabrics using a diversity of high performance fibers. Our 18,000 sq. ft. Research & Development facility provides for expedited design, assembly, and initial testing of composites and shoot packs for soft body armor. Other capabilities include Lamination, Warping, Weaving, Finishing, Layering, and Sheeting, to name a few.

## A Proven Legacy Of Innovation

For over a half-century, BGF has been transforming high performance fibers into key components of products for Advanced Composites, Reinforcements and Industrial markets.

In 2005, we began supplying ballistic products to the U.S. military and have since established ourselves as a key player in the Protective Fabrics market. BGF participated heavily in the MRAP and Humvee programs by supplying materials for vehicle armor (spall liners and EFP kits) to protect against IED/EFP threats and also manufacture ballistic helmet materials for the U.S. Armed Forces and the Israeli Military. We used our expertise with advanced composites and vehicle armor to develop distinctive armor solutions alongside our key industry partners at all levels of the armor supply chain. This has allowed us to steadily execute our mission to provide high quality ballistic fabrics that ensure the personal safety of those who protect and serve.



## Armor Design

### TYPICAL KEVLAR® DENIERS FOR BALLISTIC & STAB PROTECTION

PERFORMANCE STANDARD	FIBER	DENIER
BALLISTICS	KEVLAR® XP	--
	KEVLAR® 129	400
		600
		840
		1000
		1420
		1500
		2820
		3000
	KEVLAR KM2®	500
		600
		850
	KEVLAR® 29	1000
		1500
		3000
SPIKE STAB	KEVLAR® 159	200

