

BGF PROTECTIVE FABRICS

Transforming a Single Fiber into Warfighter Survivability



» Vehicle Armor

Light-Medium-Heavy-MRAP-MATV

- EFP Kits
- Spall Liner

» Personal Safety

Military & Law Enforcement:

- Helmets
- Soft Body Armor



» Specialty Protective

- NBC Suits
- Blast Containment
- Fuel Tank Suppression Kits
- Cockpit Doors



At BGF, we know how to unlock the potential of a single fiber and transform it into unlimited possibilities. Utilizing DuPont Kevlar®, AGY S-2 Glass®, Owens Corning ShieldStrand™ and Teijin Twaron® fibers, we have the expertise to convert advanced fibers into warfighter protection. BGF is a major supplier to many US Government agencies that require fabrics for personal protection, vehicle armor and

other custom defense applications. We are a key supplier of materials for EFP Kits and Spall Liners for the MRAP and HUMVEE programs, Advanced Combat Helmet (ACH) and Israeli Defense Force (IDF) helmet. We also engineer specialized protective products for Nuclear/Biological/Chemical Protection, aircraft blast containment systems and custom products for the Transportation Industry.

Our mission is to provide high quality ballistic fabrics that ensure the personal safety of our warfighters and the civilians they protect.

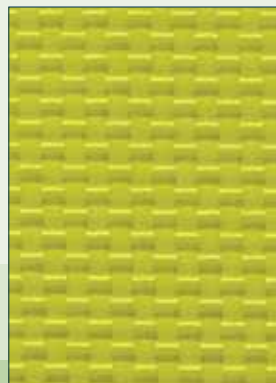
Contact a BGF Protective Fabrics Specialist at 800-476-4845 with your next Government solicitation for fabric and allow us to help you accomplish your mission by unleashing the power of a single fiber.

FABRIC CHARACTERISTICS

- Bullet & fragment resistant
- Excellent thermal properties
- Lightweight & high strength
- Excellent dimensional stability
- Chemical, puncture, slash and cut resistant
- Flame resistant, self-extinguishing

HIGH PERFORMANCE FIBERS

- Kevlar® - DUPONT
- S-2 Glass® - AGY
- ShieldStrand™ - Owens Corning (OCV)
- Twaron® - Teijin



Protective Fabrics Product Line

» U.S. Measure

Style	Weave	Yarn	Count (picks/inch)	Weight (oz/sq. yd.)	Thickness (inches)	Breaking Strength (lbs/inch)
5705	Plain	850 denier Kevlar KM2	31 x 31	7.2	0.012	880 x 950
5710	Plain	1500 denier Kevlar 29®	24 x 24	9.8	0.017	1100 x 1200
5726	Plain	840 denier Kevlar 129	26 x 26	5.9	0.010	760 x 770
5728	Plain	1500 denier Kevlar 29	17 x 17	6.9	0.012	780 x 800
5745	Plain	3000 denier Kevlar 29	17 x 17	14.0	0.024	1250 x 1400
5754	2x2 Basket	3000 denier Kevlar 29	21 x 21	17.0	0.030	1709 x 1073
5755	4x4 Basket	3000 denier Kevlar 29	21 x 21	17.0	0.030	2000 x 2000
5758	Plain	2820 denier Kevlar 129	16.3 x 16.3	12.7	NA	NA
5759	4x4 Basket	3000 denier Kevlar 29	24 x 24	18.0	0.030	2330 x 2500
240	Plain	S2 Glass Roving	5 x 5	24.0	0.028	750 x 780
HTX08	3x3 Basket	850 1/0 ShieldStrand®	16.5 x 16.5	23.5	0.026	NA
CT734	Plain	3000 denier Twaron®	15.8 x 15.8	12.7	0.023	1561 x 1243
CT736	2x2 Basket	1500 denier Twaron®	32 x 32	12.1	0.024	1770 x 1896

» Metric Measure

Style	Weave	Yarn	Count (picks/cm)	Weight (gsm)	Thickness (mm)	Breaking Strength (N/cm)
5705	Plain	944 dtex Kevlar KM2	12.2 x 12.2	244.12	0.30	1541 x 1664
5710	Plain	1667 dtex Kevlar 29	9.45 x 9.45	332.28	0.18	1926 x 2101
5726	Plain	933 dtex Kevlar 129	10.2 x 10.2	200.04	0.25	1331 x 1348
5728	Plain	1667 dtex Kevlar 29	6.7 x 6.7	233.95	0.30	1366 x 1401
5745	Plain	3333 dtex Kevlar 29	6.7 x 6.7	474.68	0.61	2189 x 2451
5754	2x2 Basket	3333 dtex Kevlar 29	8.26 x 8.26	576.40	0.76	2993 x 1879
5755	4x4 Basket	3333 dtex Kevlar 29	8.26 x 8.26	576.40	0.76	3503 x 3503
5759	4x4 Basket	3333 dtex Kevlar 29	9.45 x 9.45	610.30	0.76	4080 x 4378
240	Plain	S2 Glass Roving	1.97 x 1.97	813.74	0.71	1313 x 1366
HTX08	3x3 Basket	944 dtex 1/0 ShieldStrand	2.16 x 2.16	813.00	0.66	NA
CT734	Plain	3360 dtex Twaron	6.2 x 6.2	430.60	0.58	2733 x 2177
CT736	2x2 Basket	1680 dtex Twaron	12.7 x 12.7	410.00	0.62	3100 x 3320



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Standard Finishes Water repellent, Scour, Film Laminated

Standard Widths 38"–63"

Kevlar® is a registered trademark of DuPont

Twaron® is a registered trademark of Teijin Aramid

ShieldStrand™ is a trademark of Owens Corning

S2 Glass® is a registered trademark of AGY, LLC