

Honeywell



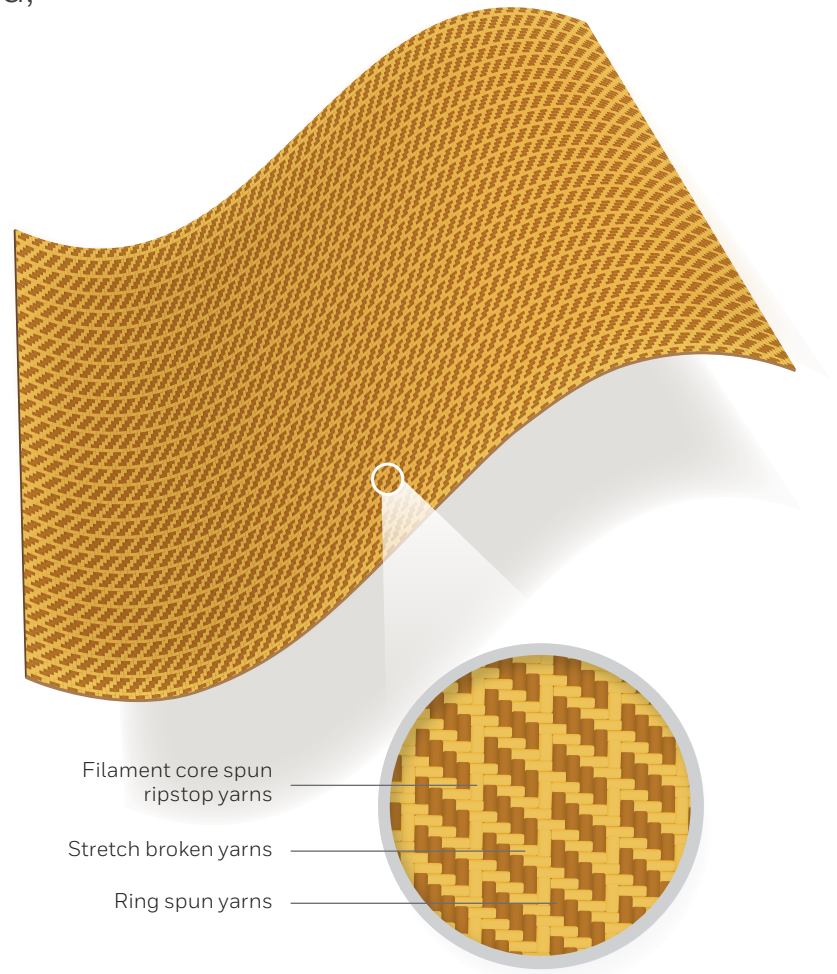
Honeywell GBX Outer Shell

The thermal protection you need;
the breathability you want –
No compromises.

The outer shell is the firefighters' first line of defense. Designed with comfort and safety in mind, the new Honeywell GBX outer shell makes no compromises in providing an optimal balance between thermal protection and heat loss. GBX composites offer some of the highest TPP and THL combinations available. Made in USA the innovative weave and yarns offers firefighters exactly what they need most – a prime layer of protection.

Not Your Common Thread

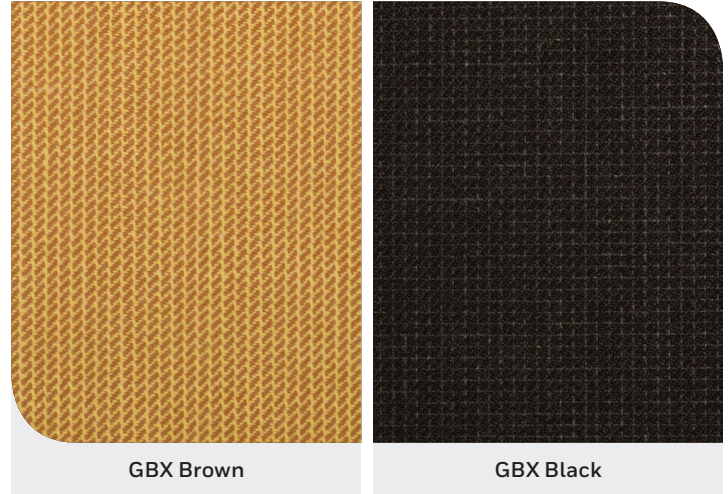
Outer shells have attributes influenced by the fiber, the blend, and the weave. The Honeywell GBX synergistically combines three yarns types, a blend of Kevlar®, Nomex®, Basofil® fibers, and an innovative rip-stop twill fabric construction. This hybrid rip-stop twill weave produces the comfort and flexibility of a twill while retaining the durability of a rip-stop.



FEATURES & BENEFITS

- Yarn Design – 3 types of yarn:
 - Core spun with 100% Kevlar filament core
 - Ring spun (traditional)
 - Twisted stretch broken
- Rip-stop twill for comfort and durability
- 3-Fiber Blend: 64% Kevlar, 18% Nomex, 18% Basofil
- New finish for increased comfort, water repellency, and abrasion
- Colors: Black and Gold

FABRIC ATTRIBUTES	
Colors	Brown, Black
Weave	2x2 twill with Rip-Stop
Weight	7.5 oz/yd ²
Fiber Blend	Kevlar [®] , Nomex [®] , Basofil [®]
Yarns	Core spun, Ring spun, Stretch broken
USA Made	Yes
Certification	NFPA 1971



GBX Brown

GBX Black

FABRIC ATTRIBUTES TESTING	CRITERIA	RESULTS
TPP: NFPA 1971	Crosstech [®] , Synergy II	43
	Stedair [®] 4000, Synergy II	44
THL: NFPA 1971	Crosstech [®] , Synergy II	299
	Stedair [®] 4000, Synergy II	291
Breaking Strength: ASTM D5034	After 10X Wash	245 x 225 lbs
Trapezoidal Tear Strength: ASTM 5587	Initial	41 x 45 lbs
	After 5X Wash	38 x 35 lbs
Flame Resistance: ASTM D6413	Initial	0.2 x 0.3 in
	After 5X Wash	0.2 x 0.2 in
Water Absorption: AATCC 42	After 5X Wash	3%
Laundry Shrinkage: AATCC 135	After 5X Wash	2% x 1%
Thermal Shrinkage: NFPA 1971	Initial	1.5%
	After 5X Wash	1.0%

Nomex[®] and Kevlar[®] are registered trademarks of E.I. du Pont de Nemours and Company. Basofil[®] is a registered trademark of Basofil LLC.

Crosstech[®] is a registered trademark of WL Gore & Associates. Stedair[®] is a registered trademark of Stedfast Inc.

For more information

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