

Honeywell



Honeywell Gold Flex[®]
ballistic composite material
for soft armor applications

Product Information Sheet

Honeywell Gold Flex[®] ballistic composite material

Honeywell's standard soft armor product combines Honeywell's patented Shield technology with aramid fiber. Gold Flex[®] is a roll product consisting of four plies of unidirectional aramid fiber, crossplied at 0°/90°/0°/90°, and sandwiched in a thermoplastic film.



4 fiber and resin plies, consolidated with thermoplastic film to protect the composite package.

Applications:

- Concealable and tactical body armor for police, military, and VIP's

Product Benefits:

- Strong protection vs NIJ threats
- Excellent protection against steel-jacketed rounds
- Good performance vs. fragmentation threats
- Substantial reduction of blunt trauma – the injury caused by an impacting bullet
- Engineered for comfort and flexibility

CHARACTERISTICS (nominal)		
Roll Weight (target)	pounds	122.7
	kilograms	55.7
Width (minimum)	inches	63.0
	meters	1.60
	testing method	ASTM D3774-96 (2004)
Length (target)	feet	492
	meters	150
Total Areal Density	oz/yd ²	6.84 ±0.41
	g/m ²	232 ±14
	testing method	ASTM D3776-96 (2002)

For more information: Honeywell Advanced Fibers and Composites

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Printed in USA

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