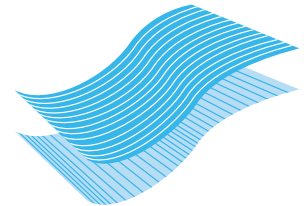


ADVANCED BALLISTIC MATERIAL FOR HARD ARMOR APPLICATIONS

**Honeywell's advanced hard armor material** combines patented Spectra® fiber with Shield technology. It is approximately 30 percent lighter than the original Spectra Shield® PCR material. Spectra Shield® Plus PCR is a roll product consisting of two plies of unidirectional Spectra® extended-chain polyethylene fiber tapes cross-plied at 0°/90°, resulting in a nonwoven thermoplastic composite.



2 fiber and resin plies, consolidated

### Applications:

- Rigid armor plates
- Breastplates
- Helmets
- Vehicle armor, including aircraft, limousines, ships and boats
- Architectural armor
- Blast containment
- Riot shields

### Product Characteristics:

- Extremely light weight – approximately 30 percent lighter than Spectra Shield® PCR, providing enhanced ballistic performance
- Provides excellent protection from high-velocity rifle rounds
- Excellent protection from multiple hits and angle shots
- Exceptional fragmentation protection
- Exceptional backface deformation reduction
- High resistance to moisture and chemicals
- Design versatility for many hard armor applications
- Low dielectric constant makes it virtually radar transparent

Characteristics		
Roll Weight <sup>(1)</sup>	pounds	87
	kilograms	39.5
Width	inches	54 ± 0.5
	meters	1.37 ± 0.013
	testing method	ASTM D3774-89
Length (target)	yards	333
	meters	305
Thickness	inches	0.005 ± 0.002
	millimeters	0.13 ± 0.05
	testing method	ASTM D1777-64
Areal Density	oz/yd <sup>2</sup>	2.8 ± 0.45
	g/m <sup>2</sup>	95 ± 15
	testing method	ASTM D3776-85

<sup>(1)</sup> Weights are minimum since defects are compensated with extra yardage

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