

## PRODUCT DESCRIPTION

Protector™ W12BW, W14BW, W16BW are woven coated fabrics made of oriented high density polyethylene ribbons and outer layers of a resilient UV stabilized coating. Protector™ reinforced polyethylene materials have an incredibly high strength-to-weight ratio, resulting in superior tear resistance and ease of installation.

## PRODUCT USE

Protector™ W12BW, W14BW, W16BW are used in areas demanding high strength and tear resistance. This product performs exceptionally well in cover applications where a risk of exposure to wind uplift and damage exists.

## SIZE & PACKAGING

Protector™ W12BW, W14BW, W16BW can be produced in a wide variety of sizes to meet your needs. Factory fabricated panels are available up to 5000 lbs. All panels are accordion folded and rolled on a heavy-duty core and protectively wrapped for shipment.



Grain Cover Application

PRODUCT	PART #
PROTECTOR™ .....	W12BW
PROTECTOR™ .....	W14BW
PROTECTOR™ .....	W16BW

## APPLICATIONS

- Oilfield Pit Liners
- Outdoor Stockpile Covers
- Interim Rainshed Covers
- Grain/Hay/Silage Covers
- Soil Remediation Covers
- Athletic Field Covers
- Erosion Control Covers



# PROTECTOR™ W12, W14 & W16

WOVEN COATED REINFORCED POLYETHYLENE

## PRO-FORMA DATA SHEET

PRO-FORMA DATA SHEET		W12BW	W14BW	W16BW
PROPERTIES	TEST METHOD	TYPICAL AVERAGE VALUES		
APPEARANCE		Black/White	Black/White	Black/White
THICKNESS	ASTM D1777	12 mil	14 mil	16 mil
COATING THICKNESS	ASTM D1777	2.0 mil	2.0 mil	2.0 mil
WEIGHT	ASTM D3776	42 lbs/MSF 6 oz/yd <sup>2</sup>	51 lbs/MSF 7.3 oz/yd <sup>2</sup>	52 lbs/MSF 7.5 oz/yd <sup>2</sup>
**TENSILE GRAB	ASTM D751	180 lbs Warp 170 lbs Weft	190 lbs Warp 180 lbs Weft	260 lbf 252 lbf
**TONGUE TEAR	ASTM D2261	42 lbs Warp 40 lbs Weft	44 lbs Warp 42 lbs Weft	64 lbf 73 lbf
MULLEN BURST	ASTM D751	> 300 psi	> 300 psi	390 psi
PUNCTURE RESISTANCE	ASTM D4833	82 lbf	120 lbf	150 psi
WVTR	ASTM E96	0.022 grains/ft <sup>2</sup> -hr	0.011 grains/ft <sup>2</sup> -hr	135 lbf
MAXIMUM STATIC USE TEMPERATURE		180° F	180° F	180° F
MINIMUM STATIC USE TEMPERATURE		-70° F	-70° F	-70° F

\*\*Tests are an average of primary reinforcement directions.

### PRO-FORMA Sheet Contents:

The test values listed in this Pro-Forma data sheet are representative of initial production runs. These values may be revised at anytime without notice as additional test data becomes available.



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Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at [www.ravenefd.com](http://www.ravenefd.com)

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