



Midwest Construction Products GFNW-4.5 is manufactured from Polypropylene staple fiber. The fibers are randomly oriented and form a cohesive / stabilized needle punched fabric for use in many applications, such as stabilization, filtration, permanent erosion control, etc. This fabric has been UV stabilized and is resistant to commonly encountered chemicals, mildew and insects found in soil.

Property	Test Procedure	Metric		English	
		MARV		MARV	
Grab Tensile Strength	ASTM D-4632	534	N	120	lbs
Grab Elongation	ASTM D-4632	50	%	50	%
Trapezoid Tear	ASTM D-4533	223	N	50	lbs
CBR Puncture	ASTM D-6241	1513	N	340	lbs
UV Stability (500 hrs).	ASTM D-4355	70	%	70	%
Permittivity	ASTM D-4491	1.8	sec <sup>-1</sup>	1.8	sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	5501	lpm/m <sup>2</sup>	135	gpm/ft <sup>2</sup>
A.O.S.	ASTM D-4751	0.212	mm	70	U.S. Sieve

Property	Test Procedure	Metric		English	
		Typical		Typical	
Weight	ASTM D-5261	153	g/m <sup>2</sup>	4.5	oz/yd <sup>2</sup>
Thickness	ASTM D-5199	1.524	mm	60	mils

Packaging	Metric			English		
	Area	Width	Length	Area	Width	Length
Roll Sizes	418 m <sup>2</sup>	3.81m	109.7m	500 yd <sup>2</sup>	12.5'	360'
	501 m <sup>2</sup>	4.57m	109.7m	600 yd <sup>2</sup>	15'	360'

**NOTES:**

- Mullen Burst ASTM D3786 removed. Not recognized by ASTM D35 on Geosynthetics.
- Puncture ASTM D4833 is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D6241.

This information is provided for reference purposes only and is not intended as a warranty or guarantee. Midwest Construction Products assumes no liability in connection with the use of this information.

Call for more information: (800) 532-2381  
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