



## 4.5 oz Non-woven Geotextile

GPS 4.5 oz Non-woven Geotextile is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. GPS 4.5 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a ph range of 2 to 13. GPS 4.5 oz Non-woven geotextile is NTPEP certified and meets requirements as per AASHTO Standards and /or D.O.T. Standards. GPS 4.0 conforms to the physical property values listed below:

Property	Method	English (MARV <sup>2</sup> )	Metric (MARV <sup>2</sup> )
Grab Tensile Strength	ASTM D 4632	120 lbs.	0.553 kN
Grab Elongation	ASTM D 4632	50%	50%
Trapezoid Tear Strength	ASTM D 4533	50 lbs.	0.222 kN
CBR Puncture Resistance	ASTM D 6241	340 lbs	1.512 kN
Permittivity <sup>4</sup>	ASTM D 4491	1.70 sec <sup>-1</sup>	1.70 sec <sup>-1</sup>
Water Flow <sup>4</sup>	ASTM D 4491	135 gpm/ft <sup>2</sup>	5500 l/min/m <sup>2</sup>
Apparent Opening Size (AOS) <sup>3&amp;4</sup>	ASTM D 4751	70 Std. U.S. Sieve	0.212 mm
UV Resistance	ASTM D 4355	70%/500 hrs.	70%/500 hrs.

### Packaging

Roll Dimensions (W x L)	12.5 x 360 ft.	3.81 m x 109.8 m
	15 x 360 ft.	4.6 m x 109.8 m
Area Per Roll	500 sq. yards	418.3 sq. meters
	600 sq. yards	505.1 sq. meters

#### Note:

1. The property values listed above are subject to change without notice.
2. Minimum Average Roll Values (MARV) is calculated as the average minus two standard deviations. Statistically, it yields approximately 97.5 % degree of confidence that any samples taken from the quality assurance testing will meet or exceed the values described above.
3. Maximum Average Vale (Max ARV)
4. At the time of manufacturing. Handling may change these properties.

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

**Global Plastic Sheeting, Inc**  
P.O. BOx 8313  
Chula Vista, CA 92912  
Call Toll Free: 866.597.9298  
[www.globalplasticsheeting.com](http://www.globalplasticsheeting.com)