

StrataTex Geotextile Product Data Sheet

ST-142 4.5 oz Nonwoven Geotextile

STRATA ST-142 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. STRATA ST-142 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a ph range of 2 to 13. STRATA ST-142 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd ² (g/m ²)	4.5 (142)
Grab Tensile	ASTM D 4632	lbs (kN)	120 (.533)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	50 (.222)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	340 (1.51)
Permittivity*	ASTM D 4491	sec ⁻¹	1.7
Water Flow*	ASTM D 4491	gpm/sf (l/min/sm)	120 (4885)
AOS*	ASTM D 4751	US Sieve (mm)	70 (.212)
UV Resistance	ASTM D 4355	%/hrs	70/500

* At the time of manufacturing. Handling, storage and shipping may change these properties.

PACKAGING	
Roll Dimensions (W x L) – Feet	12.5/15 x 360
Square Yards Per Roll	500/600
Estimated Roll Weight - Lbs	152/192

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



Strata Systems, Inc.
380 Dahlonega Rd., Suite 200
Cumming, GA 30040 USA
(770)888-6688 • (800)680-7750 • (770)888-6680 fax
Email: strata@geogrid.com Website: www.geogrid.com

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