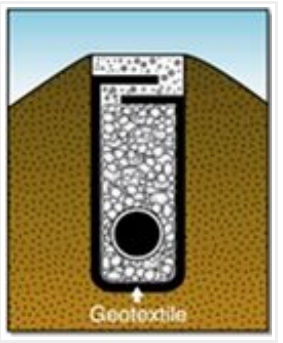
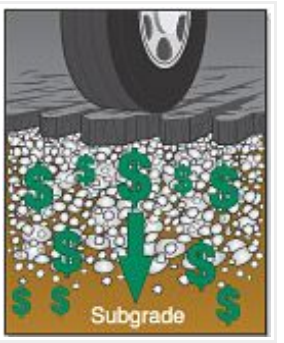
US SF49

Spunbond Nonwoven Geotextile

US SF49 is a nonwoven, spunbonded, continuous filament, polypropylene geotextile offering the consistent quality expected of spunbond geotextiles. US SF49 resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. US SF49 meets the following M.A.R.V. values except where noted:





PROPERTY	TEST METHOD	ENGLISH	METRIC
Tensile Strength	ASTM D-4632	180 lbs	801 N
Elongation @ Break	ASTM D-4632	50%	50%
Mullen Burst*	ASTM D-3786*	190 psi	1,310 kPa
Puncture Strength*	ASTM D-4833*	56 lbs	249 N
Trapezoidal Tear	ASTM D-4533	70 lbs	312 N
Apparent Opening Size	ASTM D-4751	100 US Sieve	0.149 mm
Permittivity	ASTM D-4491	0.30 Sec-1	0.30 Sec-1
Permeability	ASTM D-4491	.02 cm/sec	.02 cm/sec
Water Flow Rate	ASTM D-4491	29 g/min/sf	1,182 l/min/sm
UV Resistance @ 500 Hours	ASTM D-4355	70%	70%

ROLL SIZE	AREA	WEIGHT
12.5' x 300'	417 sys	145 lbs

* Historical averages (current values not available): Mullen Burst Strength ASTM D3786 is no longer recognized by ASTM D-35 on Geosynthetics as an acceptable test method. Puncture Strength ASTM D4833 is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D6241.

This information is provided for reference only and is not intended as a warranty or guarantee. US Fabrics assumes no liability in connection with the use of this information (1/2013).

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