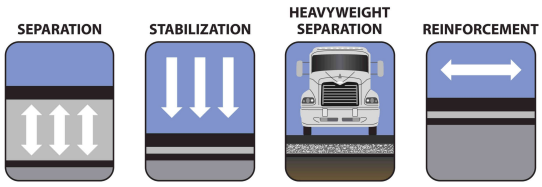
US 4800/30

Woven Geotextile



US 4800/30 is a woven geotextile made of 100% high-tenacity polypropylene yarns. It is a "combination" product made of monofilament yarns in the machine direction and fibrillated yarns in the cross direction. US 4800/30 resists ultraviolet and biological deterioration, rotting, naturally encountered chemicals, alkalis and acids. Polypropylene is stable within a pH range of 2 to 13. US 4800/30 meets the following M.A.R.V. values except where noted:

PROPERTY	TEST METHOD	ENGLISH	METRIC
Grab Tensile Strength	ASTM D-4632	500 x 500 lbs	2,225 x 2,225 N
Elongation @ Break	ASTM D-4632	15 %	15 %
Wide Width Tensile Strength	ASTM D-4595	4,800 x 4,800 lbs/ft	70.05 x 70.05 kN/m
Wide Width Tensile Strength @ 2 % Strain	ASTM D-4595	960 x 1,500 lbs/ft	14.01 x 21.89 kN/m
Wide Width Tensile Strength @ 5 % Strain	ASTM D-4595	2,400 x 3,000 lbs/ft	35.03 x 43.78 kN/m
Wide Width Tensile Strength @ 10 % Strain	ASTM D-4595	4,800 lbs/ft (MD)	70.05 kN/m (MD)
CBR Puncture	ASTM D-6241	2,000 lbs	8,900 N
Trapezoidal Tear	ASTM D-4533	180 lbs	801 N
Apparent Opening Size[1,2]	ASTM D-4751	30 US Sieve	0.595 mm
Permittivity[1]	ASTM D-4491	0.4 Sec^{-1}	0.4 Sec^{-1}
Permeability[1]	ASTM D-4491	0.05 cm/sec	0.05 cm/sec
Water Flow Rate[1]	ASTM D-4491	30 $g/min/f^2$	1,222 $L/min/m^2$
UV Resistance @ 500 Hours	ASTM D-4355	80 %	80 %

[1] At the time of manufacturing. Handling, storage, and shipping may change these properties.
[2] Maximum average roll value (MaxARV).

US 4800/30 Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
15' x 300'	15"	15'	475 lbs	500 y^2	90

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