



# US 830

## Woven monofilament

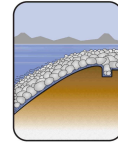
EROSION CONTROL



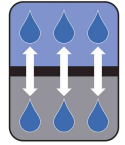
BULKHEAD



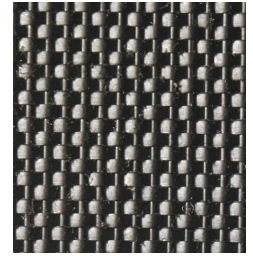
RIP-RAP



FILTRATION



US 830 is a woven high tenacity monofilament filtration geotextile made of 100% polypropylene yarns. This product is specifically designed for drainage and filtration applications. This product's Percent Open Area of 8%, gives it excellent hydraulic properties and high flow rates, while reducing the chances of clogging. US 830 resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. US 830 meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Grab Tensile Strength	<u>ASTM D-4632</u>	400 x 335 lbs	1,780 x 1,491 N
Elongation @ Break	<u>ASTM D-4632</u>	20 x 15 %	20 x 15 %
Wide Width Tensile Strength	<u>ASTM D-4595</u>	2,760 x 2,700 lbs/ft	40.28 x 39.4 kN/m
CBR Puncture	<u>ASTM D-6241</u>	1,250 lbs	5,563 N
Trapezoidal Tear	<u>ASTM D-4533</u>	145 x 125 lbs	645 x 556 N
Apparent Opening Size <sup>(1,2)</sup>	<u>ASTM D-4751</u>	30 US Sieve	0.595 mm
Permittivity <sup>(1)</sup>	<u>ASTM D-4491</u>	1.5 Sec <sup>-1</sup>	1.5 Sec <sup>-1</sup>
Permeability <sup>(1)</sup>	<u>ASTM D-4491</u>	0.13 cm/sec	0.13 cm/sec
Water Flow Rate <sup>(1)</sup>	<u>ASTM D-4491</u>	115 g/min/f <sup>2</sup>	4,685 L/min/m <sup>2</sup>
Percent Open Area	CW-02215	8 %	8 %
UV Resistance @ 500 Hours	<u>ASTM D-4355</u>	90 %	90 %

<sup>(1)</sup> At the time of manufacturing. Handling, storage, and shipping may change these properties.

<sup>(2)</sup> Maximum average roll value (MaxARV).

## US 830 Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 300'	13"	12.5'	220 lbs	417 y <sup>2</sup>	150

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