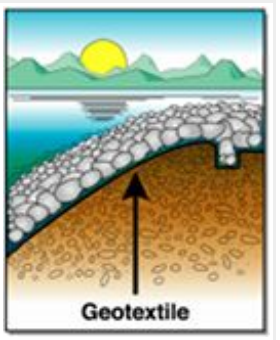
US 830

Woven monofilament

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
Weight - Typical	ASTM D-5261	8 oz/sy	271 g/sm
Tensile Strength	ASTM D-4632	400 x 335 lbs	1,780 x 1,,491 N
Elongation @ Break	ASTM D-4632	20 x 15%	20 x 15%
Wide Width Tensile	ASTM D-4595	2,760 x 2,700 lbs/ft (230 x 225 lbs/in)	40.3 x 39.4 kN/m
Mullen Burst*	ASTM D-3786*	725 psi	4,990 kPa
Puncture Strength*	ASTM D-4833*	125 lbs	560 N
CBR Puncture	ASTM D-6241	1,250 lbs	5,563 N
Trapezoidal Tear	ASTM D-4533	145 x 125 lbs	645 x 556 N
Apparent Opening Size	ASTM D-4751	30 US Sieve	0.60 mm
Permittivity	ASTM D-4491	1.5 Sec-1	1.5 Sec-1
Permeability	ASTM D-4491	0.13 cm/sec	0.13 cm/sec
Water Flow Rate	ASTM D-4491	115 g/min/sf	4,685 l/min/sm
Percent Open Area	CW-02215	8%	8%
UV Resistance @ 500 Hours	ASTM D-4355	90%	90%

ROLL SIZE	AREA	WEIGHT
12.91' x 300'	431 sys	248 lbs

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).

US Fabrics, Inc. | 3904 Virginia Avenue | Cincinnati, OH 45227 (USA) | Phone: 800-518-2290 | Fax: (513) 271-4420