

Woven Reinforcement Catalog Sheet

US Fabrics offers a complete line of woven geotextiles made of 100% high-tenacity polypropylene yarns. These fabrics satisfy a wide range of applications including: separation, stabilization and reinforcement.



STANDARD

PROPERTY	US 2400	US 2700	US 3600	US 4800	US 5280	US 7200	US 4800/30	US 3600/3600
Elongation @ Break ASTM D-4632	15 %	12 x 8 %	15 %	15 %		12 x 6 %	15 %	15 x 6 %
Apparent Opening Size ASTM D-4751	30 US Sieve	30 US Sieve	30 US Sieve	30 US Sieve	40 US Sieve	30 US Sieve	30 US Sieve	30 US Sieve
Water Flow Rate ASTM D-4491	40 g/min/f ²		60 g/min/f ²	10 g/min/f ²	30 g/min/f ²	30 g/min/f ²	30 g/min/f ²	40 g/min/f ²
UV Resistance @ 500 Hours ASTM D-4355	80 %	80 %	80 %	70 %	80 %	80 %	80 %	80 %
Trapezoidal Tear ASTM D-4533	125 lbs	100 lbs	135 x 125 lbs	180 lbs		250 x 220 lbs	180 lbs	135 x 125 lbs
Grab Tensile Strength ASTM D-4632	295 x 260 lbs	350 x 350 lbs	450 x 350 lbs	500 lbs		600 x 500 lbs	500 x 500 lbs	450 x 350 lbs
Wide Width Tensile Strength @ 2 % Strain ASTM D-4595	480 x 588 lbs/ft				480 x 1,080 lbs/ft	1,140 x 1,560 lbs/ft	960 x 1,500 lbs/ft	480 x 420 lbs/ft
Wide Width Tensile Strength ASTM D-4595	2,640 x 2,460 lbs/ft		3,600 x 3,240 lbs/ft	4,800 x 4,800 lbs/ft	5,280 x 5,280 lbs/ft	7,200 x 5,760 lbs/ft	4,800 x 4,800 lbs/ft	3,600 x 3,600 lbs/ft
Permittivity ASTM D-4491	0.6 Sec ⁻¹	0.05 Sec ⁻¹	0.6 Sec ⁻¹	0.15 Sec ⁻¹	0.4 Sec ⁻¹	0.9 Sec ⁻¹	0.4 Sec ⁻¹	0.52 Sec ⁻¹
Wide Width Tensile Strength @ 10 % Strain ASTM D-4595	2,340 x 2,412 lbs/ft					6,600 lbs/ft	4,800 lbs/ft (MD)	3,180 x 3,480 lbs/ft
Wide Width Tensile Strength @ 5 % Strain ASTM D-4595	1,212 x 1,356 lbs/ft		1,500 x 1,560 lbs/ft			3,200 x 3,200 lbs/ft	2,400 x 3,000 lbs/ft	1,392 x 1,740 lbs/ft

US Fabrics, Inc. | 3904 Virginia Avenue | Cincinnati, OH 45227
Phone: (800) 518-2290 | Fax: (513) 217-4420 | email: info@usfabrics.com

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CBR Puncture ASTM D-6241	1,300 lbs	1,000 lbs	1,600 lbs	1,250 lbs		1,900 lbs	2,000 lbs	1,600 lbs
Permeability ASTM D-4491						0.05 cm/sec	0.05 cm/sec	

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