

Woven Filtration Catalog Sheet



US Fabrics offers a complete line of nonwoven fabrics made from 100% polypropylene staple filaments. These fabrics satisfy a wide range of applications including: filters in drainage applications; riprap and separators under pavements; erosion control; cushions for membranes and stabilizer/separators under railroad tracks.

STANDARD

| PROPERTY | US 230 | US 230C | US 350 | US 640 | US 670 | US 830 | US 840 | US 1540 | US 2020 | US 3600F |
|--|-------------------------|-------------------------|-------------------------|----------------------------|-------------------------|--------------------------|-------------------------|--------------------------|-----------------------------|-------------------------|
| Elongation @ Break ASTM D-4632 | 15 % | 15 % | 15 x 8 % | 15 % | 15 % | 20 x 15 % | 15 % | 24 x 10 % | 20 x 15 % | 10 x 6 % |
| UV Resistance @ 500 Hours ASTM D-4355 | 90 % | 90 % | 70 % | 90 % | 90 % | 90 % | 90 % | 90 % | 80 % | 80 % |
| Grab Tensile Strength ASTM D-4632 | 400 x 315 lbs | 320 x 320 lbs | 375 x 375 lbs | 350 x 200 lbs | 370 x 250 lbs | 400 x 335 lbs | 425 x 350 lbs | 365 x 200 lbs | 350 x 350 lbs | 400 x 300 lbs |
| Permittivity ASTM D-4491 | 0.9 Sec ⁻¹ | 0.7 Sec ⁻¹ | 0.2 Sec ⁻¹ | 0.5 Sec ⁻¹ | 0.28 Sec ⁻¹ | 1.5 Sec ⁻¹ | 0.96 Sec ⁻¹ | 2.1 Sec ⁻¹ | 1.5 Sec ⁻¹ | 0.9 Sec ⁻¹ |
| CBR Puncture ASTM D-6241 | 1,150 lbs | 1,400 lbs | 1,200 lbs | 800 lbs | 950 lbs | 1,250 lbs | 1,340 lbs | 675 lbs | 885 lbs | 1,450 lbs |
| Trapezoidal Tear ASTM D-4533 | 150 x 165 lbs | 125 lbs | 120 lbs | 100 x 70 lbs | 100 x 60 lbs | 145 x 125 lbs | 145 x 125 lbs | 115 x 75 lbs | 110 x 95 lbs | 135 x 125 lbs |
| Water Flow Rate ASTM D-4491 | 70 g/min/f ² | 50 g/min/f ² | 15 g/min/f ² | 60 g/min/f ² | 18 g/min/f ² | 115 g/min/f ² | 70 g/min/f ² | 145 g/min/f ² | 200 g/min/f ² | 60 g/min/f ² |
| Percent Open Area CW-02215 | 1 % | | 3 % | 6 % | 4 % | 8 % | 6 % | 10 % | 17 % | |
| Permeability ASTM D-4491 | 0.07 cm/sec | | 0.015 cm/sec | | 0.01 cm/sec | 0.13 cm/sec | 0.046 cm/sec | 0.14 cm/sec | | |
| Wide Width Tensile Strength ASTM D-4595 | 3,000 x 2,760 lbs/ft | 2,700 x 2,800 lbs/ft | 2,400 x 1,680 lbs/ft | | 2,700 x 1,740 lbs/ft | 2,760 x 2,700 lbs/ft | 3,240 x 2,700 lbs/ft | 2,400 x 1,680 lbs/ft | | 3,600 x 3,240 lbs/ft |
| Apparent Opening Size ASTM D-4751 | 40 US Sieve | 40 US Sieve | 50 US Sieve | 40 US Sieve | 70 US Sieve | 30 US Sieve | 40 US Sieve | 40 US Sieve | 30 US Sieve | 30 US Sieve |
| Wide Width Tensile Strength @ 2 % Strain ASTM D-4595 | | 500 x 800 lbs/ft | | | | | | | | |

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

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.

| PROPERTY | <u>US 230</u> | <u>US 230C</u> | <u>US 350</u> | <u>US 640</u> | <u>US 670</u> | <u>US 830</u> | <u>US 840</u> | <u>US 1540</u> | <u>US 2020</u> | <u>US 3600F</u> |
|--|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-------------------------|
| Wide Width Tensile Strength @ 5 % Strain ASTM D-4595 | | 1,100 x 1,700 lbs/ft | | | | | | | | 1,500 x 1,560 lbs/ft |
| Wide Width Elongation @ Break ASTM D-4595 | | | 15 x 7 % | | | | | | | |

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

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.